Saskatchewan
Agriculture
and Food

Farm Machinery Custom and Rental Rate Guide 1992

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INTRODUCTION

This publication gives detailed information regarding guidelines for machine ownership, operating costs, custom rates and rental rates for farm machinery. **This information is provided as a guideline and should be interpreted and adjusted for individual situations.**

The costs calculated in this booklet use the list price less a discount to arrive at an average selling price of a machine. Machine companies may reduce the actual selling price of the machinery below their suggested retail prices.

The intent of this booklet is to estimate both the ownership (fixed) and operating (variable) costs of owning machinery.

The farmer who has already invested in a machine for his own use may be in a position to do custom work for a neighbour for the suggested custom rate less the investment cost and still realize a return.

There may be individuals who have a custom farming business. In this instance all costs that are calculated must be included plus overhead costs (transportation, liability insurance, utility costs, advertising, shop equipment). Custom operators should determine these overhead costs before establishing their rates.

Assumptions

1. Interest on Investment is calculated at 8.5% and assumes machinery equity is 50% owned, and 50% borrowed.

2. Diesel fuel is charged at $0.41 per litre, gasoline is charged at $0.46 per litre. **The 7% GST was deducted in calculating the gasoline and diesel prices because custom operators can apply for an input tax credit on these items.** Oil and grease is charged at $0.35 per hour for each 100 hp.

3. Labor is charged at $9.00 per hour.

The first section of this publication is a summary of calculated custom rates and rental rates of specific items. The remainder of this book contains detailed calculations that were used to arrive at the total costs of renting or custom operating farm equipment. To calculate machine costs three separate tables are used.

1. Machine Costs per Hour
2. Machine Rental per Hour
3. Custom Work Rates

Machine Cost per Hour Table

The basis for calculating the machine cost data is the cost of new equipment. This information was collected in January 1992 using the most current equipment pricing guides of the major equipment manufacturers and various shortline manufacturers. The manufacturers suggested retail price was discounted 10% on machines valued up to $50,000, 15% for machines valued between $50,000 and $100,000 and 20% for machines valued over $100,000.

The machine cost data is given for a wide variety of farm equipment under different ranges of annual hours of use. The data is specific to each individual machine and includes fixed costs (depreciation, investment cost, insurance and housing) and variable costs (repairs, fuel, oil and grease). The total cost per hour figure is the total cost of owning and operating that particular machine. In the case of drawn equipment, a power unit suitable to that drawn machine has been selected and the total cost of both the power unit and the drawn machine have been added together to arrive at an overall total cost for that operation.

Machine Rental per Hour Table

The rental rates section deals specifically with renting equipment for short time periods. The rates are not designed as lease rates. The rates should not be used for long term or seasonal lease arrangements.

Rental rates are calculated by adding the fixed costs (ownership costs) and repair costs to arrive at the basic rental costs. The margin is calculated by multiplying the basic rental costs by 15%. The margin is added to cover risk, profit and management. The rental rates include an allowance for repair only. The renter is responsible for fuel and lubrication. No account is made to cover neglect by the renter. In the case of neglect, a settlement between the parties involved must be negotiated.

The rental rate is the addition of the basic rental costs and the margin. The rental rates are specific for each machine and if a complement (tractor and machine) is rented, the addition of the two machine rental rates should be used in establishing the rental rates of the complement.

The average rental rate is calculated using the average rental rate for the middle number of hours of use.

Custom Work Rates Table

The custom work rates section deals specifically with rates for custom work including both the machine(s) and operator. The basic custom work costs are calculated by summing the total costs of the power unit (if applicable), machine, and the labor allowance per hour. A margin to cover risk, profit, management and an incentive for the operator is calculated by multiplying the basic custom work rates by 15%. The custom rate is then determined by adding the basic custom work rate and the margin. In all cases a basic labor rate of $9.00 per hour is used. The average custom rate is calculated using the average custom rate for the middle number of hours of use.

The information provided in all three segments of the table are based on average conditions and should be used as guides only.

Additional points to consider when negotiating a custom work agreement are outlined in Appendix G, along with a sample of a custom farming agreement.

This publication has been compiled by the Farm Management Section, Economics Branch of Saskatchewan Agriculture and Food. Contributions of the many people that assisted with the compiling and reviewing of this material are acknowledged.

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A. *How To Use This Bulletin*

1. Use the table of contents to locate the machine. Equipment is divided into the following sections a. Powered, b. Drawn - Grain, c. Drawn - Livestock and Forage, d. Drawn - Miscellaneous. Equipment is listed alphabetically within each section.

2. Locate the size of machine to be used and the number of hours of annual use (if you are unsure of the annual hours of work use the middle rate). The rental rate per hour and custom rate are calculated for each amount of usage.

3. If the machine you want the custom rate for does not correspond to one of the number of hours of use in this bulletin, or if you want to use a different investment cost you can calculate your own custom rate. Appendix D has a blank worksheet that can be used to calculate a custom rate with your specific information.

4. Some operations such as seeding, fertilizing or spraying require the use of a truck to haul seed, fertilizer or water to the field. The cost of the truck has not been included in the spraying or fertilizing custom rates. For an example of calculating truck usage see Appendix A.

5. Power units have been matched with drawn implements for average working conditions. Some soils may require a larger power unit than the one required for average conditions. Some operations in certain conditions could be performed using a smaller power unit than the one used in this publication.

6. This bulletin uses the cost approach of calculating custom rates. The cost approach may differ from the custom rate normally charged by custom operators for some operations. In reality the forces of demand and supply will determine the custom rates charged by custom operators.

7. Mathematical rounding of some of the calculations may cause an error of one or two cents. The calculated custom rate is the correct figure.

B. *Summary of the Average Calculated Rental and Custom Rates*

The following list is a summary of selected custom farming operations and their calculated custom and rental rates. These are calculated rates only and may require adjustment for individual situations. The average calculated custom rates for combines is the average of conventional S.P., conventional P.T.O., rotary S.P. and rotary PTO combines. The average rental rate for combines is the average of SP conventional and SP rotary.

The average calculated custom rate is the average of the custom rates for each size of a particular machine for the middle number of hours of annual usage. The only exception is combines where the high number of hours of annual usage is averaged, to reflect the large number of acres covered by custom combiners. Detailed steps of how the rental and custom rates were calculated can be found in the preceding pages.

1992 Average Calculated Custom and Rental Rates

	Custom Rate	Rental Rate
Powered Equipment		
Bale Wagons SP	$ .42/bale	$ .36/bale
Combines	12.20/ac	10.00/ac
Sprayers SP	1.10/ac	.80/ac
Swathers SP	8.00/ac	6.50/ac
Tractors 2WD (30 - 69 hp)	.39-.57/PTO hp/hr	.12-.16/PTO hp/hr
(70 - 180+ hp)	.32-.40/PTO hp/hr	.14-.16/PTO hp/hr
Tractors 4WD (100 - 174 hp)	.34-.36/PTO hp/hr	.14-.15/PTO hp/hr
(175 - 300+ hp)	.29-.32/PTO hp/hr	.13-.14/PTO hp/hr
Drawn Equipment - Grain		
Air Seeders	$ 8.00/ac	$ 4.20/ac
Cultivators, Field	3.50/ac	.80/ac
Cultivators, Heavy Duty	4.00/ac	1.00/ac
Cultivators, Wide Blade	5.10/ac	1.60/ac
Discers w/S.A., F.A.	6.40/ac	2.60/ac
Discs, Heavy Breaking	14.10/ac	4.80/ac
Discs, Tandem	6.40/ac	2.10/ac
Drills, Air Hoe	8.80/ac	5.40/ac
Drills, Disc, Hoe Press	9.70/ac	5.10/ac
Drills, Zero Till Disc	16.50/ac	9.90/ac
Drills, Zero Till Hoe	11.40/ac	5.20/ac
Fertilizer Spreaders	1.80/ac	.50/ac
Grain Movers, Pneumatic	.04/bu	.01/bu
Granular Herbicide Applicators	.50/ac	.50/ac
Harrow Drawbars	1.60/ac	.50/ac
Harrow Packers	2.80/ac	1.10/ac
Plows	13.70/ac	5.00/ac
Rodweeders	3.10/ac	1.00/ac
Sprayers, PTO	2.10/ac	1.20/ac
Swathers, Single Swath	3.90/ac	1.90/ac
Drawn Equipment - Livestock and Forage		
Balers, Large Round, 4X5 or 4X6 ft.*	$ 7.20/bale	$ 4.70/bale
Balers, Standard, less 2 sq.ft. chamber*	.33/bale	.18/bale
Bale Wagons PTO, 104 bale	.41/bale	.25/bale
Grinder Mixer, (120-150 bu)	55.90/hr	17.70/hr
Hay Rakes, 9 ft. wheel	6.00/ac	2.10/ac
Mower Conditioners, 14 ft.	11.40/ac	8.20/ac
Mowers, Sickle, 9 ft.	7.20/ac	2.80/ac
Post Pounders	29.90/hr	7.70/hr
Rotary Cutter (10 ft)	47.90/hr	22.70/hr
Tub Grinder (8 T)	57.60/hr	19.40/hr

* excludes twine

Custom Trucking

Custom Rate from farm to market is $0.09/bu. for the first 3 miles plus $0.012/bu. for each additional mile.

Custom Rate from field to yard hauling from one combine is $0.15/bu. for the first mile plus $0.012/bu. for each additional mile.

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FUEL TYPE + LITRES /HR.	FIXED COST $/HR	REPAIR COSTS $/HR.	FUEL COST $/HR	LUBE & OIL COSTS $/HR	TOTAL COSTS PER HOUR (NO LABOR) $/HR.	LABOUR COSTS $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE WAGONS SP																	$/BALE
160 BALE	86500	60	18	155.96	17.30	8.28	0.35	181.89		173.26	25.99	199.25	190.89	28.63	219.52		0.59
(100 HP)		100	(G)	100.99	17.30	8.28	0.35	126.92	9.00	118.29	17.74	136.03	135.92	20.39	156.31	375	0.42
		140		77.84	17.30	8.28	0.35	103.77		95.14	14.27	109.41	112.77	16.92	129.68	BLS/HR	0.35
								Average Rental Rate Per Bale		0.36					Average Custom Rate Per Bale		0.42
COMBINES SP ROTARY W/PICKUP																	$/AC
SMALL	96700	120	19	101.52	20.63	7.79	0.56	130.50		122.15	18.32	140.47	139.50	20.92	160.42		20.05
		150	(D)	84.93	20.63	7.79	0.56	113.91	9.00	105.56	15.83	121.40	122.91	18.44	141.35	8.0	17.67
		180		74.44	20.63	7.79	0.56	103.42		95.07	14.26	109.33	112.42	16.86	129.28	AC/HR	16.16
		350		44.93	20.63	7.79	0.56	73.91		65.56	9.83	75.40	82.91	12.44	95.35		11.92
MEDIUM	124500	120	25	130.71	26.56	10.25	0.67	168.18		157.27	23.59	180.85	177.18	26.58	203.76		21.45
		150	(D)	109.35	26.56	10.25	0.67	146.83	9.00	135.91	20.39	156.30	155.83	23.37	179.20	9.5	18.86
		180		95.84	26.56	10.25	0.67	133.32		122.40	18.36	140.76	142.32	21.35	163.67	AC/HR	17.23
		350		57.85	26.56	10.25	0.67	95.33		84.41	12.66	97.07	104.33	15.65	119.97		12.63
LARGE	136300	120	32	143.09	29.08	13.12	0.88	186.17		172.17	25.83	198.00	195.17	29.27	224.44		18.70
		150	(D)	119.72	29.08	13.12	0.88	162.79	9.00	148.79	22.32	171.11	171.79	25.77	197.56	12.0	16.46
		180		104.93	29.08	13.12	0.88	148.00		134.00	20.10	154.10	157.00	23.55	180.55	AC/HR	15.05
		350		63.33	29.08	13.12	0.88	106.41		92.41	13.86	106.27	115.41	17.31	132.72		11.06
								Average Rental Rate Per Acre		9.50					Average Custom Rate Per Acre		11.87
COMBINES SP CONVENTIONAL W/PICKUP																	$/AC
LESS THAN	111300	120	27	116.85	23.74	11.07	0.56	152.22		140.59	21.09	161.68	161.22	24.18	185.40		24.72
15999 SQIN		150	(D)	97.76	23.74	11.07	0.56	133.13	9.00	121.50	18.23	139.73	142.13	21.32	163.45	7.5	21.79
		180		85.68	23.74	11.07	0.56	121.06		109.43	16.41	125.84	130.06	19.51	149.56	AC/HR	19.94
		350		51.72	23.74	11.07	0.56	87.09		75.46	11.32	86.78	96.09	14.41	110.50		14.73
16000-	122400	120	30	128.50	26.11	12.30	0.67	167.58		154.61	23.19	177.80	176.58	26.49	203.06		21.38
19999 SQIN		150	(D)	107.51	26.11	12.30	0.67	146.59	9.00	133.62	20.04	153.66	155.59	23.34	178.92	9.5	18.83
		180		94.23	26.11	12.30	0.67	133.30		120.34	18.05	138.39	142.30	21.35	163.65	AC/HR	17.23
		350		56.87	26.11	12.30	0.67	95.95		82.99	12.45	95.43	104.95	15.74	120.69		12.70
20000+	138500	120	32	145.40	29.55	13.12	0.88	188.94		174.95	26.24	201.19	197.94	29.69	227.64		20.69
SQIN		150	(D)	121.65	29.55	13.12	0.88	165.19	9.00	151.20	22.68	173.88	174.19	26.13	200.32	11.0	18.21
		180		106.62	29.55	13.12	0.88	150.16		136.17	20.43	156.59	159.16	23.87	183.04	AC/HR	16.64
		350		64.36	29.55	13.12	0.88	107.90		93.90	14.09	107.99	116.90	17.53	134.43		12.22
								Average Rental Rate Per Acre		10.48					Average Custom Rate Per Acre		13.22

Straight Combining Adjustments

Standard Straight Cut Header

- For a 20' straight cut header add $0.84/Hr to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre.
- For a 24-25' straight cut header add $2.09/Hr to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre.
- For a 30' straight cut header add $3.77/Hr to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre.

Flex Header and pickup Reels

- For a 20' straight cut header add $4.37/Hr to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre.
- For a 25' straight cut header add $5.81/Hr to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre.
- For a 30' straight cut header add $10.28/Hr to the combine custom rate per hour and divide by the workrate in acres per hour to calculate the custom rate per acre.

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FUEL TYPE + LITRES /HR.	FIXED COST $/HR	REPAIR COSTS $/HR.	FUEL COST $/HR	LUBE & OIL COSTS $/HR	TOTAL COSTS PER HOUR (NO LABOR) $/HR.	LABOUR COSTS $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
GRAIN AUGERS																	
7 IN.	2850	25	1	12.17	1.14	0.46	0.04	13.80									
30-37 FT		50	(G)	6.65	1.14	0.46	0.04	8.29									
(W/16 HP)		75		4.79	1.14	0.46	0.04	6.42				SEE					
7 IN.	3080	25	1.4	13.15	1.23	0.64	0.06	15.08									
38-45 FT		50	(G)	7.19	1.23	0.64	0.06	9.12				GRAIN					
(W/18 HP)		75		5.17	1.23	0.64	0.06	7.11									
8 IN	2820	25		12.04	1.13			13.17				HAULING					
40-51 FT		50		6.58	1.13			7.71									
PTO		75		4.74	1.13			5.86									
10 IN	5290	25		12.59	2.12			24.70				SECTION					
50-65 FT		50		12.35	2.12			14.47						-			
PTO		75		8.89	2.12			11.00						-			
SPRAYERS																	$/AC
SP	25400	50	8	54.23	5.59	3.68	0.26	63.76		59.82	8.97	68.79	72.76	10.91	83.67		1.67
51 FT		100	(G)	29.65	5.59	3.68	0.26	39.19	9.00	35.24	5.29	40.53	48.19	7.23	55.41	50.0	1.11
		200		17.15	5.59	3.68	0.26	26.68		22.73	3.41	26.14	35.68	5.35	41.03	AC/HR	0.82
								Average Rental Rate Per Acre		0.81			Average Custom Rate Per Acre				1.11

NOTE: To include the cost of hauling water to the field add $0.35 per acre (assume 7.5 gal/ac, 12 mile haul & $2.25/1200 gal. water cost)

SWATHERS																	
SP																	$/AC
18 FT	41400	60	13	74.64	9.11	5.33	0.26	89.34		83.75	12.56	96.31	98.34	14.75	113.10		13.31
STANDARD		100	(D)	48.33	9.11	5.33	0.26	63.04	9.00	57.44	8.62	66.06	72.04	10.81	82.84	8.5	9.75
TABLE		140		37.25	9.11	5.33	0.26	51.95		46.36	6.95	53.32	60.95	9.14	70.10	AC/HR	8.25
20-22 FT	45000	60	14	81.13	9.90	5.74	0.32	97.09		91.03	13.66	104.69	106.09	15.91	122.00		12.84
SLIDING		100	(D)	52.54	9.90	5.74	0.32	68.49	9.00	62.44	9.37	71.80	77.49	11.62	89.12	9.5	9.38
TABLE		140		40.49	9.90	5.74	0.32	56.45		50.39	7.56	57.95	65.45	9.82	75.27	AC/HR	7.92
24-26 FT	46100	60	14	83.12	10.14	5.74	0.32	99.31		93.26	13.99	107.25	108.31	16.25	124.56		10.83
SLIDING		100	(D)	53.82	10.14	5.74	0.32	70.02	9.00	63.96	9.59	73.56	79.02	11.85	90.87	11.5	7.90
TABLE		140		41.48	10.14	5.74	0.32	57.68		51.63	7.74	59.37	66.68	10.00	76.68	AC/HR	6.67
30 FT	47900	60	15	86.36	10.54	6.15	0.32	103.37		96.90	14.54	111.44	112.37	16.85	129.22		9.23
SLIDING		100	(D)	55.92	10.54	6.15	0.32	72.93	9.00	66.46	9.97	76.43	81.93	12.29	94.22	14.0	6.73
TABLE		140		43.10	10.54	6.15	0.32	60.11		53.64	8.05	61.69	69.11	10.37	79.47	AC/HR	5.68
36 FT	54300	60	16	97.90	11.95	6.56	0.32	116.72		109.85	16.48	126.32	125.72	18.86	144.58		8.76
SLIDING		100	(D)	63.40	11.95	6.56	0.32	82.22	9.00	75.34	11.30	86.64	91.22	13.68	104.90	16.5	6.36
TABLE		140		48.86	11.95	6.56	0.32	67.68		60.81	9.12	69.93	76.68	11.50	88.19	AC/HR	5.34
								Average Rental Rate Per Acre		6.49			Average Custom Rate Per Acre				8.02

NOTE: To include a hay conditioner add $8.80/hour to the custom rate/hour and divide by the number of acres/hour.

POWERED EQUIPMENT

MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FUEL TYPE + LITRES /HR.	MACHINE COMPONENT COSTS PER HOUR: FIXED COST $/HR	REPAIR COSTS $/HR.	FUEL COST $/HR	LUBE & OIL COSTS $/HR	TOTAL COSTS PER HOUR (NO LABOR) $/HR.	LABOUR COSTS $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	CUSTOM WORK RATES: BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
TRACTORS 2WD (PTO-HP)																	
30-39 HP	18500	400	8	5.50	0.96	3.28	0.12	9.85		6.45	0.97	7.42	18.85	2.83	21.68		
		600	(D)	3.88	0.96	3.28	0.12	8.24	9.00	4.84	0.73	5.57	17.24	2.59	19.83		
		800		3.12	0.96	3.28	0.12	7.48		4.08	0.61	4.69	16.48	2.47	18.95		
40-49 HP	19600	400	9	5.82	1.01	3.69	0.16	10.68		6.83	1.03	7.86	19.68	2.95	22.63		
		600	(D)	4.12	1.01	3.69	0.16	8.98	9.00	5.13	0.77	5.90	17.98	2.70	20.67		
		800		3.31	1.01	3.69	0.16	8.17		4.32	0.65	4.97	17.17	2.58	19.74		
50-59 HP	23300	400	10	6.92	1.20	4.10	0.19	12.42		8.13	1.22	9.34	21.42	3.21	24.63		
		600	(D)	4.89	1.20	4.10	0.19	10.39	9.00	6.10	0.91	7.01	19.39	2.91	22.30		
		800		3.93	1.20	4.10	0.19	9.43		5.14	0.77	5.91	18.43	2.76	21.19		
60-69 HP	26300	400	14	7.81	1.36	5.74	0.23	15.14		9.17	1.38	10.55	24.14	3.62	27.76		
		600	(D)	5.52	1.36	5.74	0.23	12.85	9.00	6.88	1.03	7.91	21.85	3.28	25.13		
		800		4.44	1.36	5.74	0.23	11.76		5.80	0.87	6.67	20.76	3.11	23.88		
70-79 HP	39200	400	16	11.64	2.03	6.56	0.26	20.49		13.67	2.05	15.72	29.49	4.42	33.92		
		600	(D)	8.23	2.03	6.56	0.26	17.08	9.00	10.26	1.54	11.79	26.08	3.91	29.99		
		800		6.62	2.03	6.56	0.26	15.46		8.64	1.30	9.94	24.46	3.67	28.13		
80-89 HP	42300	400	18	12.57	2.19	7.38	0.30	22.43		14.75	2.21	16.96	31.43	4.71	36.14		
		600	(D)	8.88	2.19	7.38	0.30	18.74	9.00	11.07	1.66	12.73	27.74	4.16	31.91		
		800		7.14	2.19	7.38	0.30	17.00		9.32	1.40	10.72	26.00	3.90	29.90		
90-99 HP	49200	400	20	14.61	2.54	8.20	0.33	25.69		17.16	2.57	19.73	34.69	5.20	39.89		
		600	(D)	10.33	2.54	8.20	0.33	21.40	9.00	12.87	1.93	14.80	30.40	4.56	34.97		
		800		8.30	2.54	8.20	0.33	19.38		10.85	1.63	12.47	28.38	4.26	32.63		
100-119 HP	55100	400	23	16.37	2.85	9.43	0.39	29.03		19.21	2.88	22.10	38.03	5.70	43.73		
		600	(D)	11.57	2.85	9.43	0.39	24.23	9.00	14.42	2.16	16.58	33.23	4.98	38.22		
		800		9.30	2.85	9.43	0.39	21.96		12.15	1.82	13.97	30.96	4.64	35.60		
120-139 HP	66000	400	28	19.61	3.41	11.48	0.46	34.95		23.02	3.45	26.47	43.95	6.59	50.54		
		600	(D)	13.86	3.41	11.48	0.46	29.20	9.00	17.27	2.59	19.86	38.20	5.73	43.93		
		800		11.14	3.41	11.48	0.46	26.48		14.55	2.18	16.73	35.48	5.32	40.81		
140-159 HP	70800	400	32	21.03	3.66	13.12	0.53	38.33		24.69	3.70	28.39	47.33	7.10	54.43		
		600	(D)	14.87	3.66	13.12	0.53	32.17	9.00	18.52	2.78	21.30	41.17	6.18	47.34		
		800		11.95	3.66	13.12	0.53	29.25		15.61	2.34	17.95	38.25	5.74	43.99		
160-179 HP	81000	400	39	24.06	4.19	15.99	0.60	44.83		28.25	4.24	32.48	53.83	8.07	61.91		
		600	(D)	17.01	4.19	15.99	0.60	37.78	9.00	21.19	3.18	24.37	46.78	7.02	53.79		
		800		13.67	4.19	15.99	0.60	34.44		17.85	2.68	20.53	43.44	6.52	49.96		
180+ HP	90900	400	46	27.00	4.70	18.86	0.63	51.19		31.70	4.75	36.45	60.19	9.03	69.22		
		600	(D)	19.09	4.70	18.86	0.63	43.27	9.00	23.78	3.57	27.35	52.27	7.84	60.11		
		800		15.34	4.70	18.86	0.63	39.53		20.04	3.01	23.04	48.53	7.28	55.81		

NOTE: For MFWD add the following to the CUSTOM RATE $/HR, 30-99HP add $0.025/HP/HR. over 99HP add $0.02 /HP/HR

POWERED EQUIPMENT

MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FUEL TYPE + LITRES /HR.	MACHINE COMPONENT COSTS PER HOUR: FIXED COST $/HR	REPAIR COSTS $/HR.	FUEL COST $/HR	LUBE & OIL COSTS $/HR	TOTAL COSTS PER HOUR (NO LABOR) $/HR.	LABOUR COSTS $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	CUSTOM WORK RATES: BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
TRACTORS 4WD (PTO-HP)																	
100-149 HP	61500	400	35	18.27	2.67	14.35	0.44	35.72		20.93	3.14	24.07	44.72	6.71	51.43		
		600	(D)	12.91	2.67	14.35	0.44	30.37	9.00	15.58	2.34	17.91	39.37	5.90	45.27		
		800		10.38	2.67	14.35	0.44	27.83		13.04	1.96	15.00	36.83	5.52	42.36		
150-174 HP	84700	400	41	25.16	3.67	16.81	0.57	46.21		28.83	4.32	33.15	55.21	8.28	63.49		
		600	(D)	17.78	3.67	16.81	0.57	38.83	9.00	21.45	3.22	24.67	47.83	7.17	55.01		
		800		14.29	3.67	16.81	0.57	35.34		17.96	2.69	20.66	44.34	6.65	50.99		
175-199 HP	90100	400	46	26.76	3.90	18.86	0.65	50.18		30.67	4.60	35.27	59.18	8.88	68.06		
		600	(D)	18.92	3.90	18.86	0.65	42.34	9.00	22.82	3.42	26.25	51.34	7.70	59.04		
		800		15.21	3.90	18.86	0.65	38.62		19.11	2.87	21.98	47.62	7.14	54.77		
200-249 HP	108400	400	54	32.20	4.70	22.14	0.79	59.82		36.90	5.53	42.43	68.82	10.32	79.15		
		600	(D)	22.76	4.70	22.14	0.79	50.39	9.00	27.46	4.12	31.58	59.39	8.91	68.29		
		800		18.29	4.70	22.14	0.79	45.92		22.99	3.45	26.44	54.92	8.24	63.16		
250-299 HP	120400	400	64	35.76	5.22	26.24	0.96	68.18		40.98	6.15	47.13	77.18	11.58	88.76		
		600	(D)	25.28	5.22	26.24	0.96	57.70	9.00	30.50	4.57	35.07	66.70	10.00	76.70		
		800		20.32	5.22	26.24	0.96	52.74		25.54	3.83	29.37	61.74	9.26	71.00		
300+ HP	151000	400	82	44.85	6.54	33.62	1.05	86.07		51.40	7.71	59.11	95.07	14.26	109.33		
		600	(D)	31.71	6.54	33.62	1.05	72.92	9.00	38.25	5.74	43.99	81.92	12.29	94.21		
		800		25.48	6.54	33.62	1.05	66.70		32.03	4.80	36.83	75.70	11.36	87.06		
TRUCKS GRAIN																	
1 TON	28300	100	18	34.93	4.72	8.28	0.42	48.34		39.64	5.95	45.59	57.34	8.60	65.95		
		150	(G)	24.86	4.72	8.28	0.42	38.27	9.00	29.57	4.44	34.01	47.27	7.09	54.36		
		200		19.61	4.72	8.28	0.42	33.02		24.32	3.65	27.97	42.02	6.30	48.33		
3 TON	44400	100	23	54.80	7.40	10.58	0.42	73.20		62.20	9.33	71.53	82.20	12.33	94.53		
		150	(G)	39.00	7.40	10.58	0.42	57.40	9.00	46.40	6.96	53.36	66.40	9.96	76.36		
		200		30.76	7.40	10.58	0.42	49.16		38.16	5.72	43.89	58.16	8.72	66.89		
4 TON	77100	100	19	95.15	12.85	7.79	0.49	116.28		108.00	16.20	124.20	125.28	18.79	144.08		
TANDEM		150	(D)	67.72	12.85	7.79	0.49	88.85	9.00	80.57	12.09	92.65	97.85	14.68	112.53		
DIESEL		200		53.42	12.85	7.79	0.49	74.55		66.27	9.94	76.21	83.55	12.53	96.08		
TRUCKS PICK-UP																	
1/2 TON	17500	200	14	12.47	2.17	6.44	0.35	21.43		14.64	2.20	16.83	30.43	4.56	34.99		
		250	(G)	10.27	2.17	6.44	0.35	19.23	9.00	12.44	1.87	14.31	28.23	4.23	32.47		
		300		8.84	2.17	6.44	0.35	17.80		11.01	1.65	12.66	26.80	4.02	30.82		
3/4 ton	21000	200	16	14.96	2.60	7.36	0.35	25.27		17.56	2.63	20.20	34.27	5.14	39.41		
		250	(G)	12.33	2.60	7.36	0.35	22.64	9.00	14.93	2.24	17.17	31.64	4.75	36.39		
		300		10.60	2.60	7.36	0.35	20.92		13.21	1.98	15.19	29.92	4.49	34.41		

1T trucks were priced with grain box,and hoist
3T and 4T trucks were priced with grain box,hoist,and roll tarp
See appendix for custom grain hauling for seeding and harvesting

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
AIR SEEDERS INCL CULT																$/AC
24-25 FT	41700	100	45.74	8.34	54.08	54.08	8.11	62.19	54.08			92.28	13.84	106.13		10.61
		150	32.46	8.34	40.80	40.80	6.12	46.92	40.80	29.20	9.00	79.00	11.85	90.85	10.0	9.08
		200	25.73	8.34	34.07	34.07	5.11	39.18	34.07	130 HP		72.28	10.84	83.12	AC/HR	8.31
28-30 FT	44800	100	49.14	8.96	58.10	58.10	8.72	66.82	58.10			99.27	14.89	114.16		9.51
		150	34.87	8.96	43.83	43.83	6.57	50.40	43.83	32.17	9.00	85.00	12.75	97.75	12.0	8.15
		200	27.65	8.96	36.61	36.61	5.49	42.10	36.61	150 HP		77.77	11.67	89.44	AC/HR	7.45
34-35 FT	51400	100	56.38	10.28	66.66	66.66	10.00	76.66	66.66			113.44	17.02	130.45		9.00
		150	40.01	10.28	50.29	50.29	7.54	57.83	50.29	37.78	9.00	97.06	14.56	111.62	14.5	7.70
		200	31.72	10.28	42.00	42.00	6.30	48.30	42.00	170 HP		88.78	13.32	102.09	AC/HR	7.04
40-41 FT	55200	100	60.55	11.04	71.59	71.59	10.74	82.33	71.59			122.93	18.44	141.37		8.32
		150	42.96	11.04	54.00	54.00	8.10	62.10	54.00	42.34	9.00	105.34	15.80	121.14	17.0	7.13
		200	34.06	11.04	45.10	45.10	6.77	51.87	45.10	185 HP		96.44	14.47	110.91	AC/HR	6.52
46-47 FT	71400	100	78.32	14.28	92.60	92.60	13.89	106.49	92.60			151.98	22.80	174.78		9.20
		150	55.57	14.28	69.85	69.85	10.48	80.33	69.85	50.39	9.00	129.24	19.39	148.62	19.0	7.82
		200	44.06	14.28	58.34	58.34	8.75	67.09	58.34	225 HP		117.73	17.66	135.38	AC/HR	7.13
					Average Rental Rate Per Acre			4.15						Average Custom Rate Per Acre		7.98
Note: If equipped with mounted harrows add $0.42/AC If equipped with tow behind packers add $1.70/AC																
COMBINES, CONVENTIONAL, PTO																$/AC
LESS THAN	52100	120	54.70	11.11	65.81	65.81	9.87	75.68	65.81			99.04	14.86	113.90		18.98
13999 SQR		150	45.76	11.11	56.88	56.88	8.53	65.41	56.88	24.23	9.00	90.11	13.52	103.62	6.0	17.27
IN.		180	40.11	11.11	51.22	51.22	7.68	58.91	51.22	115 HP		84.45	12.67	97.12	AC/HR	16.19
		350	24.21	11.11	35.32	35.32	5.30	40.62	35.32			68.55	10.28	78.84		13.14
MORE THAN	88700	120	93.12	18.92	112.04	112.04	16.81	128.85	112.04			153.21	22.98	176.19		19.58
14000 SQR		150	77.91	18.92	96.83	96.83	14.52	111.36	96.83	32.17	9.00	138.00	20.70	158.70	9.0	17.63
IN.		180	68.28	18.92	87.21	87.21	13.08	100.29	87.21	150 HP		128.37	19.26	147.63	AC/HR	16.40
		350	41.22	18.92	60.14	60.14	9.02	69.16	60.14			101.31	15.20	116.50		12.94
COMBINES	81000	120	85.04	17.28	102.32	102.32	15.35	117.66	102.32			149.09	22.36	171.46		15.59
ROTARY		150	71.15	17.28	88.43	88.43	13.26	101.69	88.43	37.78	9.00	135.20	20.28	155.48	11.0	14.13
PTO		180	62.36	17.28	79.64	79.64	11.95	91.58	79.64	170 HP		126.41	18.96	145.38	AC/HR	13.22
LARGE		350	37.64	17.28	54.92	54.92	8.24	63.16	54.92			101.70	15.25	116.95		10.63
					Average Rental Rate Per Acre			6.73						Average Custom Rate Per Acre		12.24

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
FIELD CULTIVATORS																
14-15 FT	4500	150	3.25	0.99	4.24	4.24	0.64	4.87	4.24			26.08	3.91	30.00		$/AC 4.00
		250	2.10	0.99	3.09	3.09	0.46	3.56	3.09	12.85	9.00	24.94	3.74	28.68	7.5	3.82
		350	1.62	0.99	2.61	2.61	0.39	3.00	2.61	65 HP		24.46	3.67	28.13	AC/HR	3.75
20-21 FT	6140	150	4.43	1.35	5.78	5.78	0.87	6.65	5.78			33.52	5.03	38.55		3.86
		250	2.87	1.35	4.22	4.22	0.63	4.85	4.22	18.74	9.00	31.96	4.79	36.76	10.0	3.68
		350	2.21	1.35	3.56	3.56	0.53	4.09	3.56	85 HP		31.31	4.70	36.00	AC/HR	3.60
25-27FT	17500	150	12.62	3.85	16.47	16.47	2.47	18.94	16.47			49.70	7.46	57.16		4.23
		250	8.17	3.85	12.02	12.02	1.80	13.83	12.02	24.23	9.00	45.25	6.79	52.04	13.5	3.85
		350	6.30	3.85	10.15	10.15	1.52	11.67	10.15	110 HP		43.38	6.51	49.89	AC/HR	3.70
33-34 FT	19700	150	14.21	4.33	18.54	18.54	2.78	21.32	18.54			56.74	8.51	65.26		3.95
		250	9.20	4.33	13.53	13.53	2.03	15.56	13.53	29.20	9.00	51.74	7.76	59.50	16.5	3.61
		350	7.09	4.33	11.42	11.42	1.71	13.14	11.42	130 HP		49.63	7.44	57.07	AC/HR	3.46
41-45FT	21500	150	15.51	4.73	20.24	20.24	3.04	23.27	20.24			61.40	9.21	70.61		3.28
		250	10.04	4.73	14.77	14.77	2.22	16.99	14.77	32.17	9.00	55.94	8.39	64.33	21.5	2.99
		350	7.74	4.73	12.47	12.47	1.87	14.34	12.47	150 HP		53.64	8.05	61.68	AC/HR	2.87
46-50 FT	29000	150	20.91	6.38	27.29	27.29	4.09	31.39	27.29			74.07	11.11	85.18		3.55
		250	13.54	6.38	19.92	19.92	2.99	22.91	19.92	37.78	9.00	66.70	10.01	76.71	24.0	3.20
		350	10.44	6.38	16.82	16.82	2.52	19.34	16.82	170 HP		63.60	9.54	73.14	AC/HR	3.05
51-55 FT	30400	150	21.92	6.69	28.61	28.61	4.29	32.90	28.61			79.95	11.99	91.94		3.47
		250	14.20	6.69	20.88	20.88	3.13	24.02	20.88	42.34	9.00	72.22	10.83	83.06	26.5	3.13
		350	10.94	6.69	17.63	17.63	2.64	20.27	17.63	185 HP		68.97	10.35	79.31	AC/HR	2.99
56-60 FT	37000	150	26.68	8.14	34.82	34.82	5.22	40.05	34.82			94.21	14.13	108.34		3.74
		250	17.28	8.14	25.42	25.42	3.81	29.23	25.42	50.39	9.00	84.80	12.72	97.53	29.0	3.36
		350	13.32	8.14	21.46	21.46	3.22	24.68	21.46	225 HP		80.84	12.13	92.97	AC/HR	3.21
					Average Rental Rate Per Acre			0.82						Average Custom Rate Per Acre		3.46

NOTE: IF EQUIPPED WITH MOUNTED HARROWS ADD $0.42/ACRE

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS HEAVY DUTY																$/AC
18-20 FT	12200	150	8.80	2.68	11.48	11.48	1.72	13.20	11.48			39.23	5.88	45.11		4.75
		250	5.70	2.68	8.38	8.38	1.26	9.64	8.38	18.74	9.00	36.13	5.42	41.54	9.5	4.37
		350	4.39	2.68	7.08	7.08	1.06	8.14	7.08	85 HP		34.82	5.22	40.04	AC/HR	4.22
21-22 FT	14800	150	10.67	3.26	13.93	13.93	2.09	16.02	13.93			47.16	7.07	54.23		4.93
		250	6.91	3.26	10.17	10.17	1.53	11.69	10.17	24.23	9.00	43.40	6.51	49.91	11.0	4.54
		350	5.33	3.26	8.58	8.58	1.29	9.87	8.58	110 HP		41.81	6.27	48.09	AC/HR	4.37
23-25 FT	15800	150	11.39	3.48	14.87	14.87	2.23	17.10	14.87			48.10	7.22	55.32		4.61
		250	7.38	3.48	10.85	10.85	1.63	12.48	10.85	24.23	9.00	44.09	6.61	50.70	12.0	4.22
		350	5.69	3.48	9.16	9.16	1.37	10.54	9.16	110 HP		42.39	6.36	48.75	AC/HR	4.06
27 FT	18600	150	13.41	4.09	17.51	17.51	2.63	20.13	17.51			55.71	8.36	64.07		4.75
		250	8.69	4.09	12.78	12.78	1.92	14.69	12.78	29.20	9.00	50.98	7.65	58.63	13.5	4.34
		350	6.69	4.09	10.79	10.79	1.62	12.41	10.79	130 HP		48.99	7.35	56.34	AC/HR	4.17
30-31 FT	20000	150	14.42	4.40	18.82	18.82	2.82	21.65	18.82			59.99	9.00	68.99		4.45
		250	9.34	4.40	13.74	13.74	2.06	15.80	13.74	32.17	9.00	54.91	8.24	63.15	15.5	4.07
		350	7.20	4.40	11.60	11.60	1.74	13.34	11.60	150 HP		52.77	7.92	60.68	AC/HR	3.92
32-33 FT	21500	150	15.51	4.73	20.24	20.24	3.04	23.27	20.24			61.40	9.21	70.61		4.28
		250	10.04	4.73	14.77	14.77	2.22	16.99	14.77	32.17	9.00	55.94	8.39	64.33	16.5	3.90
		350	7.74	4.73	12.47	12.47	1.87	14.34	12.47	150 HP		53.64	8.05	61.68	AC/HR	3.74
34-35 FT	22100	150	15.94	4.86	20.80	20.80	3.12	23.92	20.80			67.58	10.14	77.71		4.44
		250	10.32	4.86	15.18	15.18	2.28	17.46	15.18	37.78	9.00	61.96	9.29	71.25	17.5	4.07
		350	7.95	4.86	12.82	12.82	1.92	14.74	12.82	170 HP		59.59	8.94	68.53	AC/HR	3.92
36-37 FT	23100	150	16.66	5.08	21.74	21.74	3.26	25.00	21.74			68.52	10.28	78.80		4.26
		250	10.79	5.08	15.87	15.87	2.38	18.25	15.87	37.78	9.00	62.65	9.40	72.04	18.5	3.89
		350	8.31	5.08	13.40	13.40	2.01	15.41	13.40	170 HP		60.17	9.03	69.20	AC/HR	3.74
40-41 FT	24600	150	17.74	5.41	23.15	23.15	3.47	26.63	23.15			69.93	10.49	80.42		3.92
		250	11.49	5.41	16.90	16.90	2.54	19.44	16.90	37.78	9.00	63.68	9.55	73.23	20.5	3.57
		350	8.85	5.41	14.27	14.27	2.14	16.41	14.27	170 HP		61.04	9.16	70.20	AC/HR	3.42
45-47 FT	31700	150	22.86	6.97	29.84	29.84	4.48	34.31	29.84			81.17	12.18	93.35		4.06
		250	14.80	6.97	21.78	21.78	3.27	25.04	21.78	42.34	9.00	73.11	10.97	84.08	23.0	3.66
		350	11.41	6.97	18.38	18.38	2.76	21.14	18.38	185 HP		69.72	10.46	80.18	AC/HR	3.49
58-60 FT	39200	150	28.27	8.62	36.89	36.89	5.53	42.43	36.89			96.28	14.44	110.72		3.75
		250	18.31	8.62	26.93	26.93	4.04	30.97	26.93	50.39	9.00	86.32	12.95	99.26	29.5	3.36
		350	14.11	8.62	22.73	22.73	3.41	26.14	22.73	225 HP		82.12	12.32	94.44	AC/HR	3.20
					Average Rental Rate Per Acre			1.03						Average Custom Rate Per Acre		4.00

NOTE: IF EQUIPPED WITH MOUNTED HARROWS ADD $0.42/ACRE

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS, WIDE BLADE																$/AC
28 FT	19700	150	14.21	4.33	18.54	18.54	2.78	21.32	18.54			51.77	7.77	59.54		5.95
		250	9.20	4.33	13.53	13.53	2.03	15.56	13.53	24.23	9.00	46.76	7.01	53.78	10.0	5.38
		350	7.09	4.33	11.42	11.42	1.71	13.14	11.42	115 HP		44.66	6.70	51.35	AC/HR	5.14
37-39 FT	27800	150	20.05	6.12	26.17	26.17	3.92	30.09	26.17			67.33	10.10	77.43		5.53
		250	12.98	6.12	19.10	19.10	2.86	21.96	19.10	32.17	9.00	60.27	9.04	69.31	14.0	4.95
		350	10.01	6.12	16.12	16.12	2.42	18.54	16.12	150 HP		57.29	8.59	65.88	AC/HR	4.71
46-50 FT	36500	150	26.32	8.03	34.35	34.35	5.15	39.51	34.35			85.69	12.85	98.54		5.47
		250	17.05	8.03	25.08	25.08	3.76	28.84	25.08	42.34	9.00	76.41	11.46	87.87	18.0	4.88
		350	13.14	8.03	21.17	21.17	3.18	24.34	21.17	185 HP		72.50	10.88	83.38	AC/HR	4.63
					Average Rental Rate Per Acre			1.58						Average Custom Rate Per Acre		5.07
DISCERS, W/SEED,FERT.																
																$/AC
15-16 FT	15500	100	17.00	3.10	20.10	20.10	3.02	23.12	20.10			46.18	6.93	53.11		8.17
		150	12.06	3.10	15.16	15.16	2.27	17.44	15.16	17.08	9.00	41.24	6.19	47.43	6.5	7.30
		200	9.56	3.10	12.66	12.66	1.90	14.56	12.66	75 HP		38.74	5.81	44.55	AC/HR	6.85
24 FT	22100	100	24.24	4.42	28.66	28.66	4.30	32.96	28.66			61.89	9.28	71.18		7.12
		150	17.20	4.42	21.62	21.62	3.24	24.86	21.62	24.23	9.00	54.85	8.23	63.08	10.0	6.31
		200	13.64	4.42	18.06	18.06	2.71	20.77	18.06	110 HP		51.29	7.69	58.98	AC/HR	5.90
30-32 FT	30500	100	33.46	6.10	39.56	39.56	5.93	45.49	39.56			80.72	12.11	92.83		7.14
		150	23.74	6.10	29.84	29.84	4.48	34.32	29.84	32.17	9.00	71.01	10.65	81.66	13.0	6.28
		200	18.82	6.10	24.92	24.92	3.74	28.66	24.92	150 HP		66.09	9.91	76.00	AC/HR	5.85
36 FT	33400	100	36.64	6.68	43.32	43.32	6.50	49.81	43.32			90.09	13.51	103.61		6.91
		150	26.00	6.68	32.68	32.68	4.90	37.58	32.68	37.78	9.00	79.45	11.92	91.37	15.0	6.09
		200	20.61	6.68	27.29	27.29	4.09	31.38	27.29	170 HP		74.07	11.11	85.18	AC/HR	5.68
45-48 FT	45900	100	50.35	9.18	59.53	59.53	8.93	68.46	59.53			110.87	16.63	127.49		6.71
		150	35.73	9.18	44.91	44.91	6.74	51.64	44.91	42.34	9.00	96.24	14.44	110.68	19.0	5.83
		200	28.32	9.18	37.50	37.50	5.63	43.13	37.50	185 HP		88.84	13.33	102.17	AC/HR	5.38
					Average Rental Rate Per Acre			2.61						Average Custom Rate Per Acre		6.36

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DISCS, HEAVY BREAKING																
																$/AC
10 FT	25200	100	27.64	5.04	32.68	32.68	4.90	37.58	32.68			84.02	12.60	96.62		17.57
		150	19.61	5.04	24.65	24.65	3.70	28.35	24.65	42.34	9.00	75.99	11.40	87.39	5.5	15.89
		200	15.55	5.04	20.59	20.59	3.09	23.68	20.59	185 HP		71.93	10.79	82.72	AC/HR	15.04
12 FT	29100	100	31.92	5.82	37.74	37.74	5.66	43.40	37.74			89.08	13.36	102.44		13.66
		150	22.65	5.82	28.47	28.47	4.27	32.74	28.47	42.34	9.00	79.81	11.97	91.78	7.5	12.24
		200	17.96	5.82	23.78	23.78	3.57	27.34	23.78	185 HP		75.11	11.27	86.38	AC/HR	11.52
					Average Rental Rate Per Acre			4.76						Average Custom Rate Per Acre		14.06
DISCS, TANDEM																
																$/AC
12-14 FT	10200	100	11.19	2.04	13.23	13.23	1.98	15.21	13.23			35.08	5.26	40.34		6.21
		150	7.94	2.04	9.98	9.98	1.50	11.48	9.98	12.85	9.00	31.83	4.77	36.60	6.5	5.63
		200	6.29	2.04	8.33	8.33	1.25	9.58	8.33	65 HP		30.18	4.53	34.71	AC/HR	5.34
15-17 FT	11100	100	12.18	2.22	14.40	14.40	2.16	16.56	14.40			42.14	6.32	48.46		6.06
		150	8.64	2.22	10.86	10.86	1.63	12.49	10.86	18.74	9.00	38.60	5.79	44.39	8.0	5.55
		200	6.85	2.22	9.07	9.07	1.36	10.43	9.07	85 HP		36.81	5.52	42.34	AC/HR	5.29
18-19 FT	16900	100	18.54	3.38	21.92	21.92	3.29	25.21	21.92			49.66	7.45	57.11		6.01
		150	13.15	3.38	16.53	16.53	2.48	19.01	16.53	18.74	9.00	44.28	6.64	50.92	9.5	5.36
		200	10.43	3.38	13.81	13.81	2.07	15.88	13.81	85 HP		41.55	6.23	47.79	AC/HR	5.03
20-22 FT	20200	100	22.16	4.04	26.20	26.20	3.93	30.13	26.20			67.37	10.10	77.47		7.38
		150	15.72	4.04	19.76	19.76	2.96	22.73	19.76	32.17	9.00	60.93	9.14	70.07	10.5	6.67
		200	12.47	4.04	16.51	16.51	2.48	18.98	16.51	150 HP		57.67	8.65	66.32	AC/HR	6.32
23-25 FT	25300	100	27.75	5.06	32.81	32.81	4.92	37.73	32.81			79.59	11.94	91.53		7.63
		150	19.69	5.06	24.75	24.75	3.71	28.46	24.75	37.78	9.00	71.53	10.73	82.26	12.0	6.85
		200	15.61	5.06	20.67	20.67	3.10	23.77	20.67	170 HP		67.45	10.12	77.57	AC/HR	6.46
26-28 FT	28600	100	31.37	5.72	37.09	37.09	5.56	42.66	37.09			88.43	13.26	101.69		7.53
		150	22.26	5.72	27.98	27.98	4.20	32.18	27.98	42.34	9.00	79.32	11.90	91.21	13.5	6.76
		200	17.65	5.72	23.37	23.37	3.51	26.87	23.37	185 HP		74.71	11.21	85.91	AC/HR	6.36
29-31 FT	31500	100	34.55	6.30	40.85	40.85	6.13	46.98	40.85			100.24	15.04	115.27		7.68
		150	24.52	6.30	30.82	30.82	4.62	35.44	30.82	50.39	9.00	90.20	13.53	103.73	15.0	6.92
		200	19.44	6.30	25.74	25.74	3.86	29.60	25.74	225 HP		85.12	12.77	97.89	AC/HR	6.53
					Average Rental Rate Per Acre			2.10						Average Custom Rate Per Acre		6.40
DRILLS, AIR HOE																
																$/AC
33 FT	46100	60	83.12	11.53	94.64	94.64	14.20	108.84	94.64			135.81	20.37	156.18		11.16
		100	53.82	11.53	65.35	65.35	9.80	75.15	65.35	32.17	9.00	106.52	15.98	122.49	14.0	8.75
		140	41.48	11.53	53.01	53.01	7.95	60.96	53.01	150 HP		94.18	14.13	108.30	AC/HR	7.74
40-45 FT	60700	60	109.44	15.18	124.62	124.62	18.69	143.31	124.62			175.95	26.39	202.35		11.24
		100	70.87	15.18	86.04	86.04	12.91	98.95	86.04	42.34	9.00	137.38	20.61	157.99	18.0	8.78
		140	54.62	15.18	69.80	69.80	10.47	80.27	69.80	185 HP		121.13	18.17	139.30	AC/HR	7.74
					Average Rental Rate Per Acre			5.43						Average Custom Rate Per Acre		8.76

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DRILLS DISC PRESS																$/AC
8-10 FT	11300	60	20.37	2.83	23.20	23.20	3.48	26.68	23.20			42.59	6.39	48.98		13.99
		100	13.19	2.83	16.02	16.02	2.40	18.42	16.02	10.39	9.00	35.41	5.31	40.72	3.5	11.63
		140	10.17	2.83	12.99	12.99	1.95	14.94	12.99	55 HP		32.38	4.86	37.24	AC/HR	10.64
14-16 FT	21900	60	39.49	5.48	44.96	44.96	6.74	51.70	44.96			72.70	10.91	83.61		12.86
		100	25.57	5.48	31.04	31.04	4.66	35.70	31.04	18.74	9.00	58.79	8.82	67.61	6.5	10.40
		140	19.71	5.48	25.18	25.18	3.78	28.96	25.18	85 HP		52.93	7.94	60.87	AC/HR	9.36
24 FT	33100	60	59.68	8.28	67.95	67.95	10.19	78.15	67.95			101.18	15.18	116.36		11.64
		100	38.64	8.28	46.92	46.92	7.04	53.96	46.92	24.23	9.00	80.15	12.02	92.17	10.0	9.22
		140	29.79	8.28	38.06	38.06	5.71	43.77	38.06	110 HP		71.29	10.69	81.99	AC/HR	8.20
28-30 FT	38300	60	69.05	9.58	78.63	78.63	11.79	90.42	78.63			119.80	17.97	137.77		11.48
		100	44.72	9.58	54.29	54.29	8.14	62.43	54.29	32.17	9.00	95.46	14.32	109.78	12.0	9.15
		140	34.46	9.58	44.04	44.04	6.61	50.65	44.04	150 HP		85.21	12.78	97.99	AC/HR	8.17
40-42 FT	51100	60	92.13	12.78	104.91	104.91	15.74	120.64	104.91			156.24	23.44	179.68		10.57
		100	59.66	12.78	72.43	72.43	10.87	83.30	72.43	42.34	9.00	123.77	18.57	142.34	17.0	8.37
		140	45.98	12.78	58.76	58.76	8.81	67.57	58.76	185 HP		110.09	16.51	126.61	AC/HR	7.45
					Average Rental Rate Per Acre			5.25						Average Custom Rate Per Acre		9.75
DRILLS HOE PRESS																$/AC
7-10 FT	11000	60	19.83	2.75	22.58	22.58	3.39	25.97	22.58			44.43	6.66	51.10		14.60
		100	12.84	2.75	15.59	15.59	2.34	17.93	15.59	12.85	9.00	37.44	5.62	43.06	3.5	12.30
		140	9.90	2.75	12.65	12.65	1.90	14.55	12.65	65 HP		34.50	5.17	39.67	AC/HR	11.33
14-16 FT	16600	60	29.93	4.15	34.08	34.08	5.11	39.19	34.08			60.16	9.02	69.18		10.64
		100	19.38	4.15	23.53	23.53	3.53	27.06	23.53	17.08	9.00	49.61	7.44	57.05	6.5	8.78
		140	14.94	4.15	19.09	19.09	2.86	21.95	19.09	75 HP		45.17	6.77	51.94	AC/HR	7.99
20-21 FT	25400	60	45.80	6.35	52.15	52.15	7.82	59.97	52.15			85.38	12.81	98.18		11.55
		100	29.65	6.35	36.00	36.00	5.40	41.41	36.00	24.23	9.00	69.24	10.39	79.62	8.5	9.37
		140	22.86	6.35	29.21	29.21	4.38	33.59	29.21	110 HP		62.44	9.37	71.80	AC/HR	8.45
28-30 FT	41300	60	74.46	10.33	84.79	84.79	12.72	97.51	84.79			125.96	18.89	144.85		12.07
		100	48.22	10.33	58.54	58.54	8.78	67.32	58.54	32.17	9.00	99.71	14.96	114.67	12.0	9.56
		140	37.16	10.33	47.49	47.49	7.12	54.61	47.49	150 HP		88.66	13.30	101.96	AC/HR	8.50
40-42 FT	53400	60	96.28	13.35	109.63	109.63	16.44	126.07	109.63			160.97	24.14	185.11		10.89
		100	62.34	13.35	75.69	75.69	11.35	87.05	75.69	42.34	9.00	127.03	19.05	146.09	17.0	8.59
		140	48.05	13.35	61.40	61.40	9.21	70.61	61.40	185 HP		112.74	16.91	129.65	AC/HR	7.63
					Average Rental Rate Per Acre			4.98						Average Custom Rate Per Acre		9.72
DRILLS ZERO TILL DISC																$/AC
10 FT	23300	60	42.01	5.83	47.83	47.83	7.18	55.01	47.83			75.58	11.34	86.92		21.73
		100	27.20	5.83	33.03	33.03	4.95	37.98	33.03	18.74	9.00	60.77	9.12	69.89	4.0	17.47
		140	20.97	5.83	26.79	26.79	4.02	30.81	26.79	85 HP		54.54	8.18	62.72	AC/HR	15.68
20 FT	46800	60	84.38	11.70	96.08	96.08	14.41	110.49	96.08			142.86	21.43	164.29		19.33
		100	54.64	11.70	66.34	66.34	9.95	76.29	66.34	37.78	9.00	113.12	16.97	130.08	8.5	15.30
		140	42.11	11.70	53.81	53.81	8.07	61.89	53.81	170 HP		100.59	15.09	115.68	AC/HR	13.61
30 FT	86500	60	155.96	21.63	177.58	177.58	26.64	204.22	177.58			236.97	35.55	272.51		21.80
		100	100.99	21.63	122.61	122.61	18.39	141.01	122.61	50.39	9.00	182.00	27.30	209.30	12.5	16.74
		140	77.84	21.63	99.46	99.46	14.92	114.38	99.46	225 HP		158.85	23.83	182.68	AC/HR	14.61
					Average Rental Rate Per Acre			9.92						Average Custom Rate Per Acre		16.51

NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates.

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DRILLS ZERO TILL HOE																$/AC
12 FT	15800	60	28.49	3.95	32.44	32.44	4.87	37.30	32.44			65.67	9.85	75.52		15.10
		100	18.45	3.95	22.40	22.40	3.36	25.76	22.40	24.23	9.00	55.63	8.34	63.97	5.0	12.79
		140	14.22	3.95	18.17	18.17	2.73	20.89	18.17	110 HP		51.40	7.71	59.11	AC/HR	11.82
24 FT	32500	60	58.60	8.13	66.72	66.72	10.01	76.73	66.72			118.99	17.85	136.84		13.68
		100	37.94	8.13	46.07	46.07	6.91	52.98	46.07	43.27	9.00	98.34	14.75	113.09	10.0	11.31
		140	29.25	8.13	37.37	37.37	5.61	42.98	37.37	190 HP		89.64	13.45	103.09	AC/HR	10.31
34 FT	45300	60	81.67	11.33	93.00	93.00	13.95	106.95	93.00			152.39	22.86	175.24		12.52
		100	52.89	11.33	64.21	64.21	9.63	73.84	64.21	50.39	9.00	123.60	18.54	142.14	14.0	10.15
		140	40.76	11.33	52.09	52.09	7.81	59.90	52.09	225 HP		111.47	16.72	128.20	AC/HR	9.16
					Average Rental Rate Per Acre			5.24						Average Custom Rate Per Acre		11.42
NOTE: Work rates may require adustment for heavy straw conditions or high fertilizer rates.																
FERTILIZER -BULK SPREADER																$/AC
5 TON	5620	60	10.58	2.11	12.69	12.69	1.90	14.60	12.69			40.44	6.07	46.50		1.94
		80	8.20	2.11	10.31	10.31	1.55	11.86	10.31	18.74	9.00	38.05	5.71	43.76	24.0	1.82
		100	6.80	2.11	8.91	8.91	1.34	10.25	8.91	85 HP		36.65	5.50	42.15	AC/HR	1.76
					Average Rental Rate Per Acre			0.49						Average Custom Rate Per Acre		1.82
GRAIN MOVERS, PNEUMATIC																$/BU
1000-1499	6100	25	26.05	2.44	28.49	28.49	4.27	32.76	28.49			54.57	8.18	62.75		0.05
BUS/HR		50	14.24	2.44	16.68	16.68	2.50	19.19	16.68	17.08	9.00	42.76	6.41	49.18	1,250	0.04
		75	10.25	2.44	12.69	12.69	1.90	14.59	12.69	75 HP		38.77	5.81	44.58	BU/HR	0.04
1500-1999	7400	25	31.60	2.96	34.56	34.56	5.18	39.74	34.56			64.96	9.74	74.71		0.04
BUS/HR		50	17.28	2.96	20.24	20.24	3.04	23.27	20.24	21.40	9.00	50.64	7.60	58.24	1,750	0.03
		75	12.43	2.96	15.39	15.39	2.31	17.70	15.39	95 HP		45.80	6.87	52.66	BU/HR	0.03
2000-2499	11100	25	47.40	4.44	51.84	51.84	7.78	59.61	51.84			90.04	13.51	103.55		0.05
BUS/HR		50	25.92	4.44	30.36	30.36	4.55	34.91	30.36	29.20	9.00	68.56	10.28	78.85	2,250	0.04
		75	18.65	4.44	23.09	23.09	3.46	26.55	23.09	130 HP		61.29	9.19	70.48	BU/HR	0.03
					Average Rental Rate Per Bus.			0.01						Average Custom Rate Per Bus.		0.04
GRANULAR HERBICIDE APPLICATORS, CULTIVATOR MOUNT																$/AC
41-46 FT	4930	60	9.28	1.85	11.13	11.13	1.67	12.80	11.13			11.13	1.67	12.80		0.64
		80	7.19	1.85	9.04	9.04	1.36	10.40	9.04			9.04	1.36	10.40	20.0	0.52
		100	5.97	1.85	7.82	7.82	1.17	8.99	7.82			7.82	1.17	8.99	AC/HR	0.45
					Average Rental Rate Per Acre			0.52						Average Custom Rate Per Acre		0.52
HARROW DRBR HYD W/HARROWS																$/AC
40 FT	6770	60	11.58	1.83	13.41	13.41	2.01	15.42	13.41			35.26	5.29	40.55		2.03
		100	7.43	1.83	9.25	9.25	1.39	10.64	9.25	12.85	9.00	31.10	4.67	35.77	20.0	1.79
		140	5.65	1.83	7.47	7.47	1.12	8.59	7.47	65 HP		29.32	4.40	33.72	AC/HR	1.69
50 FT	7280	60	12.46	1.97	14.42	14.42	2.16	16.59	14.42			42.17	6.33	48.49		1.94
		100	7.99	1.97	9.95	9.95	1.49	11.44	9.95	18.74	9.00	37.70	5.65	43.35	25.0	1.73
		140	6.07	1.97	8.04	8.04	1.21	9.24	8.04	85 HP		35.78	5.37	41.15	AC/HR	1.65
60 FT	8610	60	14.73	2.32	17.06	17.06	2.56	19.62	17.06			47.46	7.12	54.58		1.82
		100	9.44	2.32	11.77	11.77	1.77	13.53	11.77	21.40	9.00	42.17	6.33	48.50	30.0	1.62
		140	7.18	2.32	9.50	9.50	1.43	10.93	9.50	95 HP		39.91	5.99	45.90	AC/HR	1.53
80 FT	12100	60	20.70	3.27	23.97	23.97	3.60	27.57	23.97			57.20	8.58	65.78		1.64
		100	13.27	3.27	16.54	16.54	2.48	19.02	16.54	24.23	9.00	49.77	7.47	57.24	40.0	1.43
		140	10.09	3.27	13.36	13.36	2.00	15.36	13.36	110 HP		46.59	6.99	53.58	AC/HR	1.34
					Average Rental Rate Per Acre			0.48						Average Custom Rate Per Acre		1.64

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
HARROW PACKERS																$/AC
30 FT	13000	60	22.24	3.51	25.75	25.75	3.86	29.62	25.75			53.50	8.02	61.52		4.10
		100	14.26	3.51	17.77	17.77	2.67	20.44	17.77	18.74	9.00	45.51	6.83	52.34	15.0	3.49
		140	10.84	3.51	14.35	14.35	2.15	16.50	14.35	85 HP		42.10	6.31	48.41	AC/HR	3.23
50 FT	17300	60	29.60	4.67	34.27	34.27	5.14	39.41	34.27			67.50	10.13	77.63		3.11
		100	18.98	4.67	23.65	23.65	3.55	27.19	23.65	24.23	9.00	56.88	8.53	65.41	25.0	2.62
		140	14.43	4.67	19.10	19.10	2.86	21.96	19.10	110 HP		52.33	7.85	60.18	AC/HR	2.41
60 FT	19600	60	33.54	5.29	38.83	38.83	5.82	44.65	38.83			80.00	12.00	92.00		3.07
		100	21.50	5.29	26.79	26.79	4.02	30.81	26.79	32.17	9.00	67.96	10.19	78.15	30.0	2.61
		140	16.35	5.29	21.64	21.64	3.25	24.88	21.64	150 HP		62.81	9.42	72.23	AC/HR	2.41
70 FT	22000	60	37.65	5.94	43.59	43.59	6.54	50.12	43.59			90.36	13.55	103.92		2.97
		100	24.13	5.94	30.07	30.07	4.51	34.58	30.07	37.78	9.00	76.85	11.53	88.38	35.0	2.52
		140	18.35	5.94	24.29	24.29	3.64	27.93	24.29	170 HP		71.06	10.66	81.72	AC/HR	2.33
80 FT	25800	60	44.15	6.97	51.11	51.11	7.67	58.78	51.11			103.39	15.51	118.89		2.97
		100	28.30	6.97	35.27	35.27	5.29	40.56	35.27	43.27	9.00	87.54	13.13	100.67	40.0	2.52
		140	21.52	6.97	28.48	28.48	4.27	32.75	28.48	190 HP		80.75	12.11	92.87	AC/HR	2.32
					Average Rental Rate Per Acre			1.10						Average Custom Rate Per Acre		2.75
PLOWS																$/AC
7.5 FT	12600	100	13.63	3.36	16.99	16.99	2.55	19.54	16.99			38.84	5.83	44.66		14.89
5-FURROW		150	9.81	3.36	13.17	13.17	1.98	15.14	13.17	12.85	9.00	35.02	5.25	40.27	3.0	13.42
		200	7.94	3.36	11.30	11.30	1.69	12.99	11.30	65 HP		33.15	4.97	38.12	AC/HR	12.71
9 FT	13700	100	14.82	3.65	18.47	18.47	2.77	21.24	18.47			48.88	7.33	56.21		16.06
6-FURROW		150	10.66	3.65	14.32	14.32	2.15	16.46	14.32	21.40	9.00	44.72	6.71	51.43	3.5	14.69
		200	8.63	3.65	12.28	12.28	1.84	14.13	12.28	95 HP		42.69	6.40	49.09	AC/HR	14.03
12 FT	20100	100	21.74	5.36	27.10	27.10	4.07	31.17	27.10			65.31	9.80	75.10		15.02
8-FURROW		150	15.64	5.36	21.00	21.00	3.15	24.16	21.00	29.20	9.00	59.21	8.88	68.09	5.0	13.62
		200	12.66	5.36	18.02	18.02	2.70	20.72	18.02	130 HP		56.22	8.43	64.66	AC/HR	12.93
18 FT	30900	100	33.43	8.24	41.67	41.67	6.25	47.92	41.67			88.44	13.27	101.71		14.53
12 FURROW		150	24.05	8.24	32.29	32.29	4.84	37.13	32.29	37.78	9.00	79.07	11.86	90.93	7.0	12.99
		200	19.46	8.24	27.70	27.70	4.16	31.86	27.70	170 HP		74.48	11.17	85.65	AC/HR	12.24
					Average Rental Rate Per Acre			4.97						Average Custom Rate Per Acre		13.68
RODWEEDERS																$/AC
28 FT	9270	60	16.71	2.32	19.03	19.03	2.85	21.89	19.03			49.44	7.42	56.85		3.92
		100	10.82	2.32	13.14	13.14	1.97	15.11	13.14	21.40	9.00	43.55	6.53	50.08	14.5	3.45
		140	8.34	2.32	10.66	10.66	1.60	12.26	10.66	95 HP		41.06	6.16	47.22	AC/HR	3.26
36 FT	11900	60	21.46	2.98	24.43	24.43	3.66	28.09	24.43			57.66	8.65	66.31		3.68
		100	13.89	2.98	16.87	16.87	2.53	19.40	16.87	24.23	9.00	50.10	7.51	57.61	18.0	3.20
		140	10.71	2.98	13.68	13.68	2.05	15.74	13.68	110 HP		46.91	7.04	53.95	AC/HR	3.00
48 FT	13300	60	23.98	3.33	27.30	27.30	4.10	31.40	27.30			68.47	10.27	78.74		3.28
		100	15.53	3.33	18.85	18.85	2.83	21.68	18.85	32.17	9.00	60.02	9.00	69.02	24.0	2.88
		140	11.97	3.33	15.29	15.29	2.29	17.59	15.29	150 HP		56.46	8.47	64.93	AC/HR	2.71
56 FT	19000	60	34.26	4.75	39.01	39.01	5.85	44.86	39.01			85.78	12.87	98.65		3.52
		100	22.18	4.75	26.93	26.93	4.04	30.97	26.93	37.78	9.00	73.71	11.06	84.77	28.0	3.03
		140	17.10	4.75	21.85	21.85	3.28	25.12	21.85	170 HP		68.62	10.29	78.92	AC/HR	2.82
64 FT	20500	60	36.96	5.13	42.09	42.09	6.31	48.40	42.09			93.42	14.01	107.44		3.36
		100	23.93	5.13	29.06	29.06	4.36	33.42	29.06	42.34	9.00	80.40	12.06	92.46	32.0	2.89
		140	18.45	5.13	23.57	23.57	3.54	27.11	23.57	185 HP		74.91	11.24	86.15	AC/HR	2.69
					Average Rental Rate Per Acre			1.03						Average Custom Rate Per Acre		3.09

NOTE IF EQUIPPED WITH MOUNTED HARROWS ADD $0.42/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
RODWEEDERS																
WITH MULTIPLEX OR VIBRATILLER																$/AC
28 FT	10000	60	18.03	2.50	20.53	20.53	3.08	23.61	20.53			50.93	7.64	58.57		4.04
		100	11.68	2.50	14.18	14.18	2.13	16.30	14.18	21.40	9.00	44.58	6.69	51.27	14.5	3.54
		140	9.00	2.50	11.50	11.50	1.72	13.22	11.50	95 HP		41.90	6.29	48.19	AC/HR	3.32
36 FT	13400	60	24.16	3.35	27.51	27.51	4.13	31.64	27.51			60.74	9.11	69.85		3.88
		100	15.64	3.35	18.99	18.99	2.85	21.84	18.99	24.23	9.00	52.23	7.83	60.06	18.0	3.34
		140	12.06	3.35	15.41	15.41	2.31	17.72	15.41	110 HP		48.64	7.30	55.94	AC/HR	3.11
48 FT	15400	60	27.77	3.85	31.62	31.62	4.74	36.36	31.62			72.78	10.92	83.70		3.49
		100	17.98	3.85	21.83	21.83	3.27	25.10	21.83	32.17	9.00	63.00	9.45	72.45	24.0	3.02
		140	13.86	3.85	17.71	17.71	2.66	20.36	17.71	150 HP		58.88	8.83	67.71	AC/HR	2.82
56 FT	20500	60	36.96	5.13	42.09	42.09	6.31	48.40	42.09			88.86	13.33	102.19		3.65
		100	23.93	5.13	29.06	29.06	4.36	33.42	29.06	37.78	9.00	75.84	11.38	87.21	28.0	3.11
		140	18.45	5.13	23.57	23.57	3.54	27.11	23.57	170 HP		70.35	10.55	80.90	AC/HR	2.89
64 FT	22100	60	39.85	5.53	45.37	45.37	6.81	52.18	45.37			96.71	14.51	111.21		3.48
		100	25.80	5.53	31.33	31.33	4.70	36.03	31.33	42.34	9.00	82.66	12.40	95.06	32.0	2.97
		140	19.89	5.53	25.41	25.41	3.81	29.22	25.41	185 HP		76.75	11.51	88.26	AC/HR	2.76
					Average Rental Rate Per Acre			1.14						Average Custom Rate Per Acre		3.20
NOTE IF EQUIPPED WITH MOUNTED HARROWS ADD $0.42/AC																
ROCK PICKER ROCK RAKE COMBINATIONS																
8 FT HYD	13500	60	31.18	4.22	35.40	35.40	5.31	40.71	35.40			65.80	9.87	75.67		
		80	24.76	4.22	28.98	28.98	4.35	33.33	28.98	21.40	9.00	59.39	8.91	68.30		
		100	21.16	4.22	25.38	25.38	3.81	29.19	25.38	95 HP		55.78	8.37	64.15		
20 FT HYD	17500	60	40.42	5.47	45.88	45.88	6.88	52.77	45.88			76.29	11.44	87.73		
		80	32.10	5.47	37.57	37.57	5.64	43.21	37.57	21.40	9.00	67.98	10.20	78.17		
		100	27.43	5.47	32.90	32.90	4.94	37.84	32.90	95 HP		63.30	9.50	72.80		
ROCK PICKERS																
FORK TYPE	4000	60	9.24	1.25	10.49	10.49	1.57	12.06	10.49			29.88	4.48	34.36		
		80	7.34	1.25	8.59	8.59	1.29	9.88	8.59	10.39	9.00	27.98	4.20	32.17		
		100	6.27	1.25	7.52	7.52	1.13	8.65	7.52	55 HP		26.91	4.04	30.94		
3 PADDLE TYPE																
HYDRAULIC	9000	60	20.79	2.81	23.60	23.60	3.54	27.14	23.60			49.68	7.45	57.13		
(3 PADDLE)		80	16.51	2.81	19.32	19.32	2.90	22.22	19.32	17.08	9.00	45.40	6.81	52.21		
		100	14.11	2.81	16.92	16.92	2.54	19.46	16.92	75 HP		43.00	6.45	49.45		
PTO	9700	60	22.40	3.03	25.43	25.43	3.81	29.25	25.43			51.51	7.73	59.24		
(3 PADDLE)		80	17.79	3.03	20.82	20.82	3.12	23.95	20.82	17.08	9.00	46.90	7.04	53.94		
		100	15.20	3.03	18.24	18.24	2.74	20.97	18.24	75 HP		44.31	6.65	50.96		
GROUND	8200	60	18.94	2.56	21.50	21.50	3.23	24.73	21.50			47.58	7.14	54.72		
(3 PADDLE)		80	15.04	2.56	17.60	17.60	2.64	20.25	17.60	17.08	9.00	43.68	6.55	50.24		
		100	12.85	2.56	15.42	15.42	2.31	17.73	15.42	75 HP		41.49	6.22	47.72		
ROCK RAKES																
12 FT	5900	60	13.63	1.84	15.47	15.47	2.32	17.79	15.47			37.32	5.60	42.92		
		80	10.82	1.84	12.67	12.67	1.90	14.57	12.67	12.85	9.00	34.52	5.18	39.69		
		100	9.25	1.84	11.09	11.09	1.66	12.76	11.09	65 HP		32.94	4.94	37.88		
20 FT	8200	60	18.94	2.56	21.50	21.50	3.23	24.73	21.50			43.35	6.50	49.85		
		80	15.04	2.56	17.60	17.60	2.64	20.25	17.60	12.85	9.00	39.45	5.92	45.37		
		100	12.85	2.56	15.42	15.42	2.31	17.73	15.42	65 HP		37.26	5.59	42.85		

DRAWN EQUIPMENT - GRAIN

MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	CUSTOM WORK RATES: MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
SPRAYERS PTO																$/AC
400-500 GAL	10000	30	36.06	4.00	40.06	40.06	6.01	46.07	40.06			61.91	9.29	71.19		2.64
60-70 FT		50	23.35	4.00	27.35	27.35	4.10	31.45	27.35	12.85	9.00	49.20	7.38	56.58	27.0	2.10
		70	18.00	4.00	22.00	22.00	3.30	25.30	22.00	65 HP		43.85	6.58	50.42	AC/HR	1.87
700-800 GAL	14300	30	51.57	5.72	57.29	57.29	8.59	65.88	57.29			85.03	12.75	97.78		2.79
80-90 FT		50	33.39	5.72	39.11	39.11	5.87	44.98	39.11	18.74	9.00	66.86	10.03	76.88	35.0	2.20
		70	25.74	5.72	31.46	31.46	4.72	36.17	31.46	85 HP		59.20	8.88	68.08	AC/HR	1.95
700-800 GAL	15200	30	54.81	6.08	60.89	60.89	9.13	70.02	60.89			88.64	13.30	101.93		2.46
91-105 FT		50	35.49	6.08	41.57	41.57	6.24	47.81	41.57	18.74	9.00	69.32	10.40	79.71	41.5	1.92
		70	27.36	6.08	33.44	33.44	5.02	38.45	33.44	85 HP		61.18	9.18	70.36	AC/HR	1.70
					Average Rental Rate Per Acre			1.20						Average Custom Rate Per Acre		2.07
NOTE: To include the cost of hauling water to the field add $0.35 per acre (assume 7.5 gal/ac, 12 mile haul & $2.25/1200 gal. water cost)																
SPRAYERS TRUCK MOUNT																$/AC
250 GAL	5470	30	19.72	2.19	21.91	21.91	3.29	25.20	21.91			53.55	8.03	61.59		1.50
40-42 FT		50	12.77	2.19	14.96	14.96	2.24	17.20	14.96	22.64	9.00	46.60	6.99	53.59	41.0	1.31
		70	9.84	2.19	12.03	12.03	1.80	13.84	12.03	3/4 TON		43.67	6.55	50.22	AC/HR	1.22
325-450 GAL	6400	30	23.08	2.56	25.64	25.64	3.85	29.48	25.64			57.28	8.59	65.87		1.32
50 FT		50	14.94	2.56	17.50	17.50	2.63	20.13	17.50	22.64	9.00	49.15	7.37	56.52	50.0	1.13
		70	11.52	2.56	14.08	14.08	2.11	16.19	14.08	3/4 TON		45.72	6.86	52.58	AC/HR	1.05
					Average Rental Rate Per Acre			0.41						Average Custom Rate Per Acre		1.22
NOTE: To include the cost of hauling water to the field add $0.35 per acre (assume 7.5 gal/ac, 12 mile haul & $2.25/1200 gal. water cost)																
SWATHERS PTO STANDARD																$/AC
20-21 FT	12100	60	21.82	3.51	25.33	25.33	3.80	29.12	25.33			44.71	6.71	51.42		5.41
		100	14.13	3.51	17.64	17.64	2.65	20.28	17.64	10.39	9.00	37.02	5.55	42.58	9.5	4.48
		140	10.89	3.51	14.40	14.40	2.16	16.56	14.40	55 HP		33.79	5.07	38.85	AC/HR	4.09
24-25 FT	13000	60	23.44	3.77	27.21	27.21	4.08	31.29	27.21			46.60	6.99	53.59		4.66
		100	15.18	3.77	18.95	18.95	2.84	21.79	18.95	10.39	9.00	38.34	5.75	44.09	11.5	3.83
		140	11.70	3.77	15.47	15.47	2.32	17.79	15.47	55 HP		34.86	5.23	40.09	AC/HR	3.49
30 FT	14800	60	26.68	4.29	30.98	30.98	4.65	35.62	30.98			52.82	7.92	60.75		4.34
		100	17.28	4.29	21.57	21.57	3.24	24.81	21.57	12.85	9.00	43.42	6.51	49.93	14.0	3.57
		140	13.32	4.29	17.61	17.61	2.64	20.25	17.61	65 HP		39.46	5.92	45.38	AC/HR	3.24
36 FT	18100	60	32.63	5.25	37.88	37.88	5.68	43.57	37.88			63.96	9.59	73.56		4.46
		100	21.13	5.25	26.38	26.38	3.96	30.34	26.38	17.08	9.00	52.46	7.87	60.33	16.5	3.66
		140	16.29	5.25	21.54	21.54	3.23	24.77	21.54	75 HP		47.62	7.14	54.76	AC/HR	3.32
					Average Rental Rate Per Acre			1.91						Average Custom Rate Per Acre		3.88
NOTE: To include a hay conditioner add $8.80/hour to the custom rate/hour and divide by the number of acres/hour.																
SWATHERS PTO DOUBLE SWATH																$/AC
40-42 FT	31100	60	56.07	9.02	65.09	65.09	9.76	74.86	65.09			95.50	14.32	109.82		6.46
		100	36.31	9.02	45.33	45.33	6.80	52.13	45.33	21.40	9.00	75.73	11.36	87.09	17.0	5.12
		140	27.99	9.02	37.00	37.00	5.55	42.56	37.00	95 HP		67.41	10.11	77.52	AC/HR	4.56
50 FT	35900	60	64.73	10.41	75.14	75.14	11.27	86.41	75.14			108.37	16.26	124.62		6.56
		100	41.91	10.41	52.32	52.32	7.85	60.17	52.32	24.23	9.00	85.56	12.83	98.39	19.0	5.18
		140	32.31	10.41	42.72	42.72	6.41	49.12	42.72	110 HP		75.95	11.39	87.34	AC/HR	4.60
					Average Rental Rate Per Acre			3.12						Average Custom Rate Per Acre		5.15

DRAWN EQUIPMENT - LIVESTOCK & FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES						
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE MOVERS - LARGE ROUND																
5 BALES	2190	40	6.51	0.68	7.19	7.19	1.08	8.27	7.19			29.04	4.36	33.39		
		80	3.61	0.68	4.29	4.29	0.64	4.93	4.29	12.85	9.00	26.14	3.92	30.06		
		120	2.60	0.68	3.28	3.28	0.49	3.78	3.28	65 HP		25.13	3.77	28.90		
7-8 BALES	8900	40	26.44	2.78	29.22	29.22	4.38	33.60	29.22			55.30	8.29	63.59		
		80	14.66	2.78	17.44	17.44	2.62	20.05	17.44	17.08	9.00	43.52	6.53	50.04		
		120	10.57	2.78	13.35	13.35	2.00	15.35	13.35	75 HP		39.43	5.91	45.34		
14 BALES	14800	40	43.96	4.63	48.59	48.59	7.29	55.88	48.59			76.33	11.45	87.78		
		80	24.37	4.63	29.00	29.00	4.35	33.35	29.00	18.74	9.00	56.74	8.51	65.25		
		120	17.57	4.63	22.20	22.20	3.33	25.52	22.20	85 HP		49.94	7.49	57.43		
BALERS, LARGE ROUND (excl. twine)																$/BALE
UNDER	13800	30	54.66	3.45	58.11	58.11	8.72	66.82	58.11			79.96	11.99	91.95		7.66
55 cu. ft.		60	30.30	3.45	33.75	33.75	5.06	38.82	33.75	12.85	9.00	55.60	8.34	63.94	12	5.33
4X4 FT		90	21.84	3.45	25.29	25.29	3.79	29.09	25.29	65 HP		47.14	7.07	54.21	BLS/HR	4.52
55-89 cu ft	16700	30	66.14	4.18	70.32	70.32	10.55	80.87	70.32			92.17	13.82	105.99		10.60
4X5 FT		60	36.67	4.18	40.85	40.85	6.13	46.97	40.85	12.85	9.00	62.69	9.40	72.10	10	7.21
or 4X6 FT		90	26.44	4.18	30.61	30.61	4.59	35.20	30.61	65 HP		52.46	7.87	60.33	BLS/HR	6.03
90-124 cuft	21500	30	85.15	5.38	90.53	90.53	13.58	104.11	90.53			118.27	17.74	136.01		17.00
5X6 FT		60	47.21	5.38	52.59	52.59	7.89	60.47	52.59	18.74	9.00	80.33	12.05	92.38	8	11.55
		90	34.03	5.38	39.41	39.41	5.91	45.32	39.41	85 HP		67.15	10.07	77.23	BLS/HR	9.65
BALERS, STANDARD (excl. twine) (bale chamber width X height)																$/BALE
LESS 2 SQFT	13500	40	44.47	3.38	47.84	47.84	7.18	55.02	47.84			69.69	10.45	80.14		0.46
		80	24.76	3.38	28.14	28.14	4.22	32.36	28.14	12.85	9.00	49.99	7.50	57.49	175	0.33
		120	18.30	3.38	21.67	21.67	3.25	24.92	21.67	65 HP		43.52	6.53	50.05	BLS/HR	0.29
2 - 4 SQ FT	20600	40	67.85	5.15	73.00	73.00	10.95	83.95	73.00			100.75	15.11	115.86		0.66
		80	37.79	5.15	42.94	42.94	6.44	49.38	42.94	18.74	9.00	70.68	10.60	81.29	175	0.46
		120	27.92	5.15	33.07	33.07	4.96	38.03	33.07	85 HP		60.81	9.12	69.94	BLS/HR	0.40
BALE WAGONS PTO																$/BALE
83 BALE	18000	60	32.45	5.22	37.67	37.67	5.65	43.32	37.67			59.52	8.93	68.45		0.49
		100	21.02	5.22	26.24	26.24	3.94	30.17	26.24	12.85	9.00	48.08	7.21	55.30	140	0.39
		140	16.20	5.22	21.42	21.42	3.21	24.63	21.42	65 HP		43.27	6.49	49.76	BLS/HR	0.36
104 BALE	31300	60	56.43	9.08	65.51	65.51	9.83	75.34	65.51			93.25	13.99	107.24		0.52
		100	36.54	9.08	45.62	45.62	6.84	52.46	45.62	18.74	9.00	73.36	11.00	84.37	208	0.41
		140	28.17	9.08	37.24	37.24	5.59	42.83	37.24	85 HP		64.99	9.75	74.74	BLS/HR	0.36
					Average Rental Rate Per Bale			0.23				Average Custom Rate Per Bale				0.40
FORAGE HARVESTERS																
SMALL	17000	40	50.50	5.31	55.81	55.81	8.37	64.18	55.81			94.01	14.10	108.12		
		80	28.00	5.31	33.31	33.31	5.00	38.31	33.31	29.20	9.00	71.51	10.73	82.24		
		120	20.18	5.31	25.49	25.49	3.82	29.32	25.49	130 HP		63.70	9.55	73.25		
MEDIUM	23200	40	68.92	7.25	76.17	76.17	11.42	87.59	76.17			117.33	17.60	134.93		
		80	38.21	7.25	45.46	45.46	6.82	52.28	45.46	32.17	9.00	86.63	12.99	99.62		
		120	27.54	7.25	34.79	34.79	5.22	40.01	34.79	150 HP		75.96	11.39	87.36		
LARGE	27800	40	82.58	8.69	91.27	91.27	13.69	104.96	91.27			138.04	20.71	158.75		
		80	45.78	8.69	54.47	54.47	8.17	62.64	54.47	37.78	9.00	101.25	15.19	116.44		
		120	33.00	8.69	41.69	41.69	6.25	47.95	41.69	170 HP		88.47	13.27	101.74		

DRAWN EQUIPMENT - LIVESTOCK & FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
GRINDER MIXERS																
80-100 BUS	10600	100	13.65	1.70	15.34	15.34	2.30	17.65	15.34			43.09	6.46	49.55		
		200	7.78	1.70	9.47	9.47	1.42	10.89	9.47	18.74	9.00	37.22	5.58	42.80		
		300	5.75	1.70	7.44	7.44	1.12	8.56	7.44	85 HP		35.19	5.28	40.47		
120-150 BUS	17200	100	22.15	2.75	24.90	24.90	3.73	28.63	24.90			58.13	8.72	66.85		
		200	12.62	2.75	15.37	15.37	2.31	17.68	15.37	24.23	9.00	48.60	7.29	55.89		
		300	9.32	2.75	12.08	12.08	1.81	13.89	12.08	110 HP		45.31	6.80	52.10		
HAY RAKES																$/AC
8.5 FT	4220	50	10.63	1.21	11.84	11.84	1.78	13.61	11.84			29.08	4.36	33.44		7.43
PARALLEL		70	7.94	1.21	9.15	9.15	1.37	10.52	9.15	8.24	9.00	26.39	3.96	30.35	4.5	6.74
BAR		90	6.50	1.21	7.70	7.70	1.16	8.86	7.70	35 HP		24.95	3.74	28.69	AC/HR	6.38
9.5 FT	5080	50	12.80	1.45	14.25	14.25	2.14	16.39	14.25			31.49	4.72	36.22		7.24
PARALLEL		70	9.56	1.45	11.01	11.01	1.65	12.66	11.01	8.24	9.00	28.26	4.24	32.49	5.0	6.50
BAR		90	7.82	1.45	9.27	9.27	1.39	10.66	9.27	35 HP		26.52	3.98	30.49	AC/HR	6.10
9 FT	4150	50	10.46	1.19	11.64	11.64	1.75	13.39	11.64			28.88	4.33	33.22		6.64
WHEEL		70	7.81	1.19	9.00	9.00	1.35	10.35	9.00	8.24	9.00	26.24	3.94	30.18	5.0	6.04
TYPE		90	6.39	1.19	7.58	7.58	1.14	8.71	7.58	35 HP		24.82	3.72	28.54	AC/HR	5.71
15 FT	4530	50	11.41	1.29	12.71	12.71	1.91	14.61	12.71			30.68	4.60	35.29		4.15
WHEEL		70	8.53	1.29	9.82	9.82	1.47	11.29	9.82	8.98	9.00	27.80	4.17	31.97	8.5	3.76
TYPE		90	6.97	1.29	8.27	8.27	1.24	9.51	8.27	45 HP		26.24	3.94	30.18	AC/HR	3.55
					Average Rental Rate Per Acre			2.07				Average Custom Rate Per Acre				5.76
MANURE SPREADERS																
70-139	4770	60	11.02	1.49	12.51	12.51	1.88	14.38	12.51			31.90	4.78	36.68		
CUBIC FT.		80	8.75	1.49	10.24	10.24	1.54	11.78	10.24	10.39	9.00	29.63	4.44	34.07		
LEVEL		100	7.48	1.49	8.97	8.97	1.35	10.31	8.97	55 HP		28.36	4.25	32.61		
140-199	6600	60	15.24	2.06	17.31	17.31	2.60	19.90	17.31			36.69	5.50	42.20		
CUBIC FT.		80	12.11	2.06	14.17	14.17	2.13	16.29	14.17	10.39	9.00	33.56	5.03	38.59		
LEVEL		100	10.35	2.06	12.41	12.41	1.86	14.27	12.41	55 HP		31.80	4.77	36.57		
200-249	8530	60	19.70	2.67	22.37	22.37	3.35	25.72	22.37			44.21	6.63	50.85		
CUBIC FT.		80	15.65	2.67	18.31	18.31	2.75	21.06	18.31	12.85	9.00	40.16	6.02	46.19		
LEVEL		100	13.37	2.67	16.04	16.04	2.41	18.44	16.04	65 HP		37.88	5.68	43.57		
250-350	9240	60	21.34	2.89	24.23	24.23	3.63	27.86	24.23			50.31	7.55	57.85		
CUBIC FT.		80	16.95	2.89	19.84	19.84	2.98	22.81	19.84	17.08	9.00	45.92	6.89	52.80		
LEVEL		100	14.48	2.89	17.37	17.37	2.61	19.98	17.37	75 HP		43.45	6.52	49.97		
350 +	12000	60	27.71	3.75	31.46	31.46	4.72	36.18	31.46			59.21	8.88	68.09		
CUBIC FT.		80	22.01	3.75	25.76	25.76	3.86	29.63	25.76	18.74	9.00	53.51	8.03	61.53		
LEVEL		100	18.81	3.75	22.56	22.56	3.38	25.94	22.56	85 HP		50.30	7.55	57.85		
MANURE SPREADERS LIQUID																
800-1299	9540	120	11.02	1.70	12.72	12.72	1.91	14.63	12.72			38.80	5.82	44.62		
GAL		140	10.00	1.70	11.70	11.70	1.76	13.46	11.70	17.08	9.00	37.78	5.67	43.45		
		160	9.35	1.70	11.05	11.05	1.66	12.71	11.05	75 HP		37.13	5.57	42.70		
1300-1899	12700	120	14.67	2.27	16.93	16.93	2.54	19.47	16.93			43.01	6.45	49.46		
GAL		140	13.31	2.27	15.58	15.58	2.34	17.92	15.58	17.08	9.00	41.66	6.25	47.91		
		160	12.44	2.27	14.71	14.71	2.21	16.92	14.71	75 HP		40.79	6.12	46.91		

DRAWN EQUIPMENT - LIVESTOCK & FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES						
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC CUSTOM RATE
MOWER CONDITIONERS																$/AC
7 FT	11200	50	28.22	4.00	32.22	32.22	4.83	37.05	32.22			50.20	7.53	57.72		16.49
		70	21.08	4.00	25.08	25.08	3.76	28.84	25.08	8.98	9.00	43.06	6.46	49.51	3.5	14.15
		90	17.24	4.00	21.24	21.24	3.19	24.43	21.24	45 HP		39.22	5.88	45.10	AC/HR	12.89
9 FT	12700	50	32.00	4.54	36.53	36.53	5.48	42.02	36.53			54.51	8.18	62.69		13.93
		70	23.90	4.54	28.44	28.44	4.27	32.70	28.44	8.98	9.00	46.41	6.96	53.38	4.5	11.86
		90	19.55	4.54	24.09	24.09	3.61	27.70	24.09	45 HP		42.06	6.31	48.37	AC/HR	10.75
12 FT	19500	50	49.13	6.96	56.10	56.10	8.41	64.51	56.10			75.49	11.32	86.81		14.47
		70	36.70	6.96	43.67	43.67	6.55	50.22	43.67	10.39	9.00	63.05	9.46	72.51	6.0	12.09
		90	30.02	6.96	36.99	36.99	5.55	42.54	36.99	55 HP		56.38	8.46	64.83	AC/HR	10.81
14 FT	22200	50	55.94	7.93	63.86	63.86	9.58	73.44	63.86			83.25	12.49	95.74		13.68
		70	41.78	7.93	49.71	49.71	7.46	57.17	49.71	10.39	9.00	69.10	10.37	79.47	7.0	11.35
		90	34.18	7.93	42.11	42.11	6.32	48.43	42.11	55 HP		61.50	9.22	70.72	AC/HR	10.10
					Average Rental Rate Per Acre			8.01				Average Custom Rate Per Acre				12.36
MOWERS, SICKLE, TRAILING																$/AC
7 FT	4730	50	11.92	1.69	13.61	13.61	2.04	15.65	13.61			30.85	4.63	35.48		10.14
		70	8.90	1.69	10.59	10.59	1.59	12.18	10.59	8.24	9.00	27.83	4.18	32.01	3.5	9.15
		90	7.28	1.69	8.97	8.97	1.35	10.32	8.97	35 HP		26.21	3.93	30.15	AC/HR	8.61
9 FT	4940	50	12.45	1.76	14.21	14.21	2.13	16.34	14.21			31.45	4.72	36.17		8.04
		70	9.30	1.76	11.06	11.06	1.66	12.72	11.06	8.24	9.00	28.30	4.25	32.55	4.5	7.23
		90	7.61	1.76	9.37	9.37	1.41	10.78	9.37	35 HP		26.61	3.99	30.60	AC/HR	6.80
					Average Rental Rate Per Acre			3.15				Average Custom Rate Per Acre				8.19
POST POUNDERS																
	4060	80	7.03	0.69	7.72	7.72	1.16	8.88	7.72			27.11	4.07	31.18		
		100	5.96	0.69	6.65	6.65	1.00	7.65	6.65	10.39	9.00	26.04	3.91	29.94		
		200	5.30	0.69	5.99	5.99	0.90	6.89	5.99	55 HP		25.38	3.81	29.19		
ROTARY CUTTERS																
6 FT	2240	50	5.64	0.80	6.44	6.44	0.97	7.41	6.44			25.83	3.87	29.71		
3PH		70	4.22	0.80	5.02	5.02	0.75	5.77	5.02	10.39	9.00	24.40	3.66	28.07		
		90	3.45	0.80	4.25	4.25	0.64	4.89	4.25	55 HP		23.64	3.55	27.18		
6-7 FT HD	3980	50	10.03	1.42	11.45	11.45	1.72	13.17	11.45			30.84	4.63	35.46		
TRAILING		70	7.49	1.42	8.91	8.91	1.34	10.25	8.91	10.39	9.00	28.30	4.25	32.55		
		90	6.13	1.42	7.55	7.55	1.13	8.68	7.55	55 HP		26.94	4.04	30.98		
10 FT	8830	50	22.25	3.15	25.40	25.40	3.81	29.21	25.40			47.25	7.09	54.34		
TRAILING		70	16.62	3.15	19.77	19.77	2.97	22.74	19.77	12.85	9.00	41.62	6.24	47.86		
		90	13.60	3.15	16.75	16.75	2.51	19.26	16.75	65 HP		38.60	5.79	44.39		
15 FT	12100	50	30.49	4.32	34.81	34.81	5.22	40.03	34.81			60.89	9.13	70.02		
TRAILING		70	22.77	4.32	27.10	27.10	4.06	31.16	27.10	17.08	9.00	53.17	7.98	61.15		
		90	18.63	4.32	22.95	22.95	3.44	26.39	22.95	75 HP		49.03	7.35	56.38		
TUB GRINDERS																
8 TON	18900	100	24.90	3.02	27.92	27.92	4.19	32.11	27.92			61.16	9.17	70.33		
		200	13.87	3.02	16.89	16.89	2.53	19.43	16.89	24.23	9.00	50.12	7.52	57.64		
		300	10.25	3.02	13.27	13.27	1.99	15.26	13.27	110 HP		46.50	6.98	53.48		

DRAWN EQUIPMENT - MISCELLANEOUS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COST $/HR.	TOTAL COSTS PER HOUR (NO LABOUR) $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR	POWER UNIT COSTS $/HR	LABOUR COSTS $/HR	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC CUSTOM RATE
FRONT-END LOADERS																
FOR 50-100	4170	80	5.89	0.83	6.72	6.72	1.01	7.73	6.72			32.80	4.92	37.72		
HP.TRACTOR		100	4.87	0.83	5.70	5.70	0.86	6.56	5.70	17.08	9.00	31.78	4.77	36.55		
W/BUCKET		120	4.21	0.83	5.04	5.04	0.76	5.80	5.04	75 HP		31.12	4.67	35.79		
FOR 70-140	5440	80	7.68	1.09	8.77	8.77	1.32	10.09	8.77			39.18	5.88	45.05		
HP.TRACTOR		100	6.35	1.09	7.44	7.44	1.12	8.56	7.44	21.40	9.00	37.84	5.68	43.52		
W/BUCKET		120	5.49	1.09	6.57	6.57	0.99	7.56	6.57	95 HP		36.98	5.55	42.53		
FOR 130 +	6980	80	9.86	1.40	11.26	11.26	1.69	12.94	11.26			52.42	7.86	60.29		
HP.TRACTOR		100	8.15	1.40	9.55	9.55	1.43	10.98	9.55	32.17	9.00	50.71	7.61	58.32		
W/BUCKET		120	7.04	1.40	8.44	8.44	1.27	9.70	8.44	150 HP		49.60	7.44	57.05		
SCRAPERS																
5.5-6.5	12400	60	28.64	3.88	32.51	32.51	4.88	37.39	32.51			73.68	11.05	84.73		
YARD		80	22.75	3.88	26.62	26.62	3.99	30.61	26.62	32.17	9.00	67.79	10.17	77.96		
		100	19.44	3.88	23.31	23.31	3.50	26.81	23.31	150 HP		64.48	9.67	74.15		
8.5 YARD	15000	60	34.64	4.69	39.33	39.33	5.90	45.23	39.33			86.11	12.92	99.02		
		80	27.52	4.69	32.20	32.20	4.83	37.03	32.20	37.78	9.00	78.98	11.85	90.83		
		100	23.51	4.69	28.20	28.20	4.23	32.43	28.20	170 HP		74.98	11.25	86.22		
SNOW BLOWERS																
FRONT MOUNT	7360	20	39.28	3.50	42.78	42.78	6.42	49.20	42.78			73.18	10.98	84.16		
7 FT		40	21.48	3.50	24.98	24.98	3.75	28.72	24.98	21.40	9.00	55.38	8.31	63.69		
		100	10.80	3.50	14.30	14.30	2.14	16.44	14.30	95 HP		44.70	6.71	51.41		
FRONT MOUNT	7460	20	39.82	3.54	43.36	43.36	6.50	49.87	43.36			73.77	11.06	84.83		
8 FT		40	21.77	3.54	25.32	25.32	3.80	29.11	25.32	21.40	9.00	55.72	8.36	64.08		
		100	10.95	3.54	14.49	14.49	2.17	16.66	14.49	95 HP		44.90	6.73	51.63		
REAR MOUNT	2660	20	14.20	1.26	15.46	15.46	2.32	17.78	15.46			37.31	5.60	42.91		
7 FT		40	7.76	1.26	9.03	9.03	1.35	10.38	9.03	12.85	9.00	30.88	4.63	35.51		
		100	3.90	1.26	5.17	5.17	0.78	5.94	5.17	65 HP		27.02	4.05	31.07		
REAR MOUNT	3060	20	16.33	1.45	17.79	17.79	2.67	20.45	17.79			39.63	5.95	45.58		
8 FT		40	8.93	1.45	10.38	10.38	1.56	11.94	10.38	12.85	9.00	32.23	4.84	37.07		
		100	4.49	1.45	5.94	5.94	0.89	6.84	5.94	65 HP		27.79	4.17	31.96		

APPENDIX A

CUSTOM GRAIN HAULING

A. FARM TO MARKET

a. Truck - 3 Ton, 320 bushel: truck cost $57.40 /hour excluding labour.

b. Auger - 7 in.x 40' w/gas engine: auger costs $9.12 /hour excluding labour.

c. Labour rate per hour $9.00

d. Unload time: 10 minutes at elevator (truck engine and PTO running 5 minutes).

Distance to Market in miles	3	6	9	12
Auger costs per load	$3.04	$3.04	$3.04	$3.04
Time in minutes	20	20	20	20
Truck costs per load	$16.26	$24.87	$33.48	$41.14
Time in minutes (incl. 5 min. unload time)	17	26	35	43
Labour costs per load	$6.30	$7.65	$9.00	$10.20
Total time in minutes	42	51	60	68
Total Cost per load	$25.60	$35.56	$45.52	$54.38
Margin per load (15%)	$3.84	$5.33	$6.83	$8.16
Custom rate per load (320 bu.)	$29.44	$40.90	$52.35	$62.53
Custom rate per bushel	$0.09	$0.13	$0.16	$0.20

The calculated custom rate is $0.09 /bu. for the first three miles plus approximately $0.012 /bu. for each additional mile.

B. Example of Trucking Seed to Field

Assume
-seeding 160 acres with 30' discer (12 hours)
-3 ton truck costs $57.40 /hr.
-truck running time includes -loading 5 min. = 0.08 hours
-driving to and from field 15 min. = 0.25 hours
-running time in field 12 hrs. x20% = 2.40 hours
2.73 hours

Truck cost for 160 acres is $57.40 /hour x 2.73 hours = $156.70
Truck cost per acre is $156.70/160 acres = $0.98 / acre

If one truck is used for fertilizer and one for seed the trucking cost per acre = 2 x $0.98 /acre
= $1.96 /acre

C. FIELD TO YARD

a. Truck - 3 Ton, 320 bushel: truck cost $57.40 /hour excluding labour.
b. Auger - 7 in.x 40' w/gas engine: auger costs $9.12 /hour excluding labour.
c. Labour rate per hour $9.00
d. Unload time: 11 minutes at bin (truck engine and PTO running)

(1) Time Use

Distance: field to yard in miles	0.5	1	1.5	2	3	4
Travel time to yard and return (min.)	4	6.5	8.5	10	12	15
Total unload time at bin (min.)	11	11	11	11	11	11
Time truck running during unload (min)	5	5	5	5	5	5
Time unload twice from one combine or once from each of two combines (min.)	10	10	10	10	10	10
Time per trip truck running (min.)	19	21.5	23.5	25	27	30
Waiting time in field (truck not running)						
(a) hauling from one combine (min.)	47	44.5	42.5	41	39	36
(b) hauling from two combines (min.)	11	8.5	6.5	5	3	0
Total time per trip						
(a) hauling from one combine (min.)	72	72	72	72	72	72
(b) hauling from two combines (min.)	36	36	36	36	36	36
(2) Component costs per trip						
(a) Truck costs/trip	$18.18	$20.57	$22.48	$23.92	$25.83	$28.70
(b) Auger Costs/Trip	$1.67	$1.67	$1.67	$1.67	$1.67	$1.67
(c) Labour costs/trip - one combine	$10.80	$10.80	$10.80	$10.80	$10.80	$10.80
- two combines	$5.40	$5.40	$5.40	$5.40	$5.40	$5.40
(3) Custom rate $/hr.(incl. 15% margin)						
- hauling from one combine	$29.37	$31.66	$33.50	$34.87	$36.71	$39.46
- hauling from two combines	$48.39	$52.98	$56.64	$59.39	$63.06	$68.56
(4) Custom rate $/bus.(incl.15% margin)						
- haul from one combine bu/hr=217	$0.14	$0.15	$0.15	$0.16	$0.17	$0.18
- haul from one combines bu/hr=433	$0.11	$0.12	$0.13	$0.14	$0.15	$0.16

The calculated custom rate for hauling from one combine is $0.15 /bu. for the first mile plus approximately $0.012 /bu. for each additional mile.

The calculated custom rate for hauling from two combines is $0.12 /bu. for the first mile plus approximately $0.012 /bu. for each additional mile.

APPENDIX B

Combine Cleaning and Separating Area (in^2)

Model No.	Clean and Sep. Area* sq. in.	Model No.	Clean and Sep. Area* sq. in.
Belarus		*John Deere*	
DON 1500	17,811	9400	17,809
		9500	18,894
Cereal Implements		9600	22,707
9600	10,980	9501	18,894
9850	17,778		

* This figure represents the sum of the separating area and the cleaning area. Separating area includes the area of the straw walkers, concaves and transition grate. Cleaning area includes the chaffer sieve, chaffer extension, precleaner, and cleaning sieve.

Conventional Combine Threshing Capacities (Wheat)

Combine Size	Approx. bu/hour Field Efficiency (100%)	(69%)	Approx. ac/hour Field Efficiency (30 bu/ac) (100%)	(69%)
Self Propelled Conventional				
less than 15,999 sq. in.	325	225	11.0	7.5
16,000 - 19,999 sq. in.	415	285	14.0	9.5
20,000+ sq. in.	480	330	16.0	11.0
Pull Type Conventional				
less than 13,999 sq. in.	260	180	8.5	6.0
14,000+ sq. in.	390	270	13.0	9.0

Rotary Combine Classification

	Model
Self Propelled Rotary	
Small	CIH 1620, CIH 1640, DA R40
Medium	CIH 1660, FNH TR86, DA R50
Large	CIH 1680, DA R60, DA R70, FNH TR96
Pull type rotary	
Large	CIH 1682

Rotary Combine Threshing Capacities (Wheat)

	Approx. bu/hour Field Efficiency (100%)	(69%)	Approx. ac/hour Field Efficiency (30 bu/ac) (100%)	(69%)
Small S.P.	350	240	11.5	8.0
Medium S.P.	415	285	13.5	9.5
Large S.P.	520	360	17.5	12.0
Large P.T.O	480	330	16.0	11.0

APPENDIX C

Rental Rate Calculation Worksheet

Machine_____ Original Cash Cost $_____

Basic Rental Cost (Per Hour)

Fixed Costs: _____ (Rate/hr*) x _____ (No. of $1000 orig. cash cost) = $_____/hr (A)

Repairs: _____ (Rate/hr*) x _____ (No. of $1000 orig. cash cost) = $_____/hr (B)

Basic Rental Cost (A + B) = $ _____ /hr (C)

Rental Margin = _____ (Suggested Rate 15%) x _____ (Basic Rental Costs (C)) = $ _____/hr (D)

Rental Rate Per Hour (C + D) = $ _____ /hr

*Refer to "Machinery Cost Calculation Guide" Appendix F, column D for fixed costs rate/hour, and column E for repair costs rate/hour.

APPENDIX D

Custom Rate Calculation Worksheet

Operation _____

Power Unit _____ Original Cash Cost $_____
Tractor, SP Machine

Machine _____ Original Cash Cost $_____
Tillage Implements, PTO Machine, Other

Power Unit Costs (Per Hour)

Fixed Costs = _____ x _____ = $_____/hr (1)
Rate/hr* No. of $1000 Orig. cash cost

Fuel = _____ x _____ = $_____/hr (2)
Litre/hr Price/Litre

Oil and Grease $.35/hr/100 Hp = $_____/hr (3)

Repairs = _____ x _____ = $_____/hr (4)
Rate/hr* No. of $1000 orig. cash cost

Total costs of Power Unit (1+2+3+4) $_____/hr (A)

Machine Costs (Per Hour)

Fixed Costs = _____ x _____ = $_____/hr (5)
Rate/hr* No. of $1000 Orig. cash cost

Repairs = _____ x _____ = $_____/hr (6)
Rate/hr* No. of $1000 orig. cash cost

Total Costs of Machinery (5 + 6) $_____/hr (B)

Labour Cost per Hour $_____/hr (C)

Total Cost of Power Unit, Machine and Operator (A + B + C) $_____/hr (D)

Margin per Hour _____ x $_____/hr = $_____/hr (E)
Suggested rate 15% (D)

Custom Rate = Total Cost + Margin (D + E) $_____/hr (F)

Work rate (acres/hr)** _____ac/hr (G)

Custom rate per acre** (F/G) $_____/acre

* Refer to "Machinery Cost Calculation Guide" Appendix F, Column D for fixed costs rate/hour, and column E for repair costs rate/hour.

** Where appropriate, substitute acres with other units (e.g. bales, tons).

APPENDIX E

Formulas Used in Calculations

A. **Fixed costs** per hour are the sum of (i) Depreciation, (ii) Investment Costs, (iii) Insurance and Housing.

i) Depreciation/hr = $\dfrac{\left(\dfrac{\text{Original Cash Cost - Salvage Value*}}{\text{Years Lifetime}}\right)}{\text{Annual Hours Use}}$

ii) Investment Cost/hr = $\dfrac{\left(\left(\dfrac{\text{Orig. Cash Cost + Salvage Value*}}{2}\right) \times 8.5\%^{**}\right)}{\text{Annual Hours Use}}$

iii) Insurance and Housing/hr = $\dfrac{\text{Original Cash Cost} \times 1\%}{\text{Annual Hours Use}}$

The short cut method calculates fixed costs on an hourly basis per $1000 of original cost.

$\dfrac{\text{Original Cost}}{1000}$ x Applicable cost factor (from Appendix F, Column D)

B. **Repair costs** are calculated on an hourly basis per $1,000 of original cost.

$\dfrac{\text{Original Cost}}{1000}$ x Applicable cost factor from Appendix F, Column E.

C. **Acres per hour**

Tillage Operations (82.5% field efficiency) $\dfrac{\text{Machine Width (ft) x Speed (mph)}}{10}$

Seeding and Harvesting (69% field efficiency) $\dfrac{\text{Machine Width (ft) x Speed (mph)}}{12}$

* Salvage value is assumed to be 10% of Original Cash Cost

** 8.5% interest rate assumes 50% borrowed and 50% owned

APPENDIX F

Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE % ORIG. CASH COST	D FIXED COST/ HOUR/ $1000 ORIG. CASH COST	E REPAIR COST/ HOUR/ $1000 ORIG. CASH COST
AIRSEEDERS	100	17		1.0969	
	150	15	3	0.7783	0.2000
	200	13.5		0.6171	
BALE MOVERS	40	14.5		2.9705	
	80	12	2.5	1.6469	0.3125
	120	10.5		1.1872	
BALE THROWERS	40	12		3.2938	
	80	10	2	1.8344	0.2500
	120	8.5		1.3553	
BALE WAGONS PTO	60	17.5		1.8030	
	100	15	2.9	1.1675	0.2900
	140	13		0.8999	
BALE WAGONS SP	60	17.5		1.8030	
	100	15	2	1.1675	0.2000
	140	13		0.8999	
BALERS LARGE	30	14.5		3.9606	
ROUND	60	12	1.5	2.1958	0.2500
	90	10.5		1.5829	
BALERS STANDARD	40	12		3.2938	
	80	10	2	1.8344	0.2500
	120	8.5		1.3553	
COMBINES, PTO	120	13		1.0498	
CONV. & ROTARY	150	12	3.2	0.8783	0.2133
	180	11		0.7698	
	350	8.5		0.4647	
COMBINES SP	120	13		1.0498	
(INCL.ROTARY)	150	12	3.2	0.8783	0.2133
	180	11		0.7698	
	350	8.5		0.4647	
CULTIVATORS,	150	17.5	SAND-CLAY	0.7212	
FIELD & HEAVY DUTY	250	15	3.0-8.0	0.4670	0.2200
	350	13		0.3599	
DISCERS &	100	17		1.0969	
DISCS, TANDEM	150	15	3	0.7783	0.2000
	200	13.5		0.6171	

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE % ORIG. CASH COST	D FIXED COST/ HOUR/ $1000 ORIG. CASH COST	E REPAIR COST/ HOUR/ $1000 ORIG. CASH COST
DRILLS, SEED	60	17.5		1.8030	
	100	15	2.5	1.1675	0.2500
	140	13		0.8999	
FERTILIZER SPREADERS	60	16		1.8833	
	80	15	3	1.4594	0.3750
	100	14		1.2104	
FORAGE HARVESTERS	40	14.5		2.9705	
	80	12	2.5	1.6469	0.3125
	120	10.5		1.1872	
FRONT END LOADERS	80	16		1.4125	
	100	15	2	1.1675	0.2000
	120	14		1.0086	
GRAIN AUGERS	25	18		4.2700	
	50	15	2	2.3350	0.4000
	75	13		1.6797	
GRAIN MOVERS PNEUMATIC	25	18		4.2700	
	50	15	2	2.3350	0.4000
	75	13		1.6797	
GRANULAR HERBICIDE APPLICATORS	60	16		1.8833	
	80	15	3	1.4594	0.3750
	100	14		1.2104	
GRINDER MIXERS	100	12.5		1.2875	
	200	10	3.2	0.7338	0.1600
	300	8.5		0.5421	
HARROW-PACKERS	60	19.6		1.7111	
	100	17	2.7	1.0969	0.2700
	140	15		0.8339	
HARROWS	60	19.6		1.7111	
	100	17	2.7	1.0969	0.2700
	140	15		0.8339	
HAY RAKES	50	13		2.5196	
	70	12	2	1.8821	0.2857
	90	11		1.5396	
LOOSE HAY, STACKERS & MOVERS	40	14.5		2.9705	
	80	12	2.5	1.6469	0.3125
	120	10.5		1.1872	

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE % ORIG. CASH COST	D FIXED COST/ HOUR/ $1000 ORIG. CASH COST	E REPAIR COST/ HOUR/ $1000 ORIG. CASH COST
MANURE SPREADERS	60	11		2.3095	
	80	10	2.5	1.8344	0.3125
	100	9		1.5675	
MANURE SPREADERS, LIQUID	120	11		1.1547	
	140	10	2.5	1.0482	0.1786
	160	9		0.9797	
MOWERS, CONDITIONER & SICKLE	50	13		2.5196	
	70	12	2.5	1.8821	0.3571
	90	11		1.5396	
PLOWS	100	17.5		1.0818	
	150	15	4	0.7783	0.2667
	200	13		0.6299	
POST POUNDERS	80	11		1.7321	
	100	10	1.7	1.4675	0.1700
	120	9		1.3063	
ROCK PICKERS, ROCK RAKES, & COMBINATIONS	60	11		2.3095	
	80	10	2.5	1.8344	0.3125
	100	9		1.5675	
RODWEEDERS	60	17.5		1.8030	
	100	15	2.5	1.1675	0.2500
	140	13		0.8999	
ROTARY CUTTERS	50	13		2.5196	
	70	12	2.5	1.8821	0.3571
	90	11		1.5396	
SCRAPERS	60	11		2.3095	
	80	10	2.5	1.8344	0.3125
	100	9		1.5675	
SNOW BLOWERS	20	18		5.3375	
	40	15	1.9	2.9188	0.4750
	100	10		1.4675	
SPRAYERS, PTO	30	17.5		3.6060	
	50	15	2	2.3350	0.4000
	70	13		1.7997	
SPRAYERS, SP	50	18		2.1350	
	100	15	2.2	1.1675	0.2200
	200	11.5		0.6751	
SWATHERS, PTO	60	17.5		1.8030	
	100	15	2.9	1.1675	0.2900
	140	13		0.8999	
SWATHERS, SP	60	17.5		1.8030	
	100	15	2.2	1.1675	0.2200
	140	13		0.8999	

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE % ORIG. CASH COST	D FIXED COST/ HOUR/ $1000 ORIG. CASH COST	E REPAIR COST/ HOUR/ $1000 ORIG. CASH COST
TRACTORS, 2WD	400	14.5		0.2970	
	600	13.0	3.1	0.2100	0.0517
	800	11.5		0.1688	
TRACTORS, 4WD	400	14.5		0.2970	
	600	13.0	2.6	0.2100	0.0433
	800	11.5		0.1688	
TRUCKS, GRAIN	100	13.5		1.2342	
	150	12	2.5	0.8783	0.1667
	200	11		0.6928	
TRUCKS, 1/2 TON	200	10.5		0.7123	
	250	10	3.1	0.5870	0.1240
	300	9.5		0.5050	
TUB GRINDERS	100	12		1.3175	
	200	10	3.2	0.7338	0.1600
	300	8.5		0.5421	

APPENDIX G

Factors to consider When Custom Hiring

Custom hiring is a business arrangement. The terms of the arrangement should be written in a formal agreement. If unwritten, the terms are more likely to be misunderstood in case of a dispute. The following should be considered in a custom hiring agreement.

Timeliness

Significant losses can occur if an operation is not started or completed on time. To facilitate planning, a custom hiring agreement should include a schedule of operations for both parties.
For example, when the custom combiner is picking up swathed grain, the schedule would outline time periods for swathing by the owner and combining by the custom operator. Such a schedule would be subject to weather conditions and crop maturity.

Operations

The parties should write into the agreement the exact operations to be performed by each party and the machine, materials and labour to be supplied by each.

Rate Schedule

The custom operator should stipulate the rate for each operation to be performed on the basis of acreage, time (hour, day, week) or total operation performed.

Management

A custom hiring agreement should ensure that the custom operator will employ acceptable management practices in his operations.

Terms of Payment

A custom hiring agreement should stipulate terms of payment for custom operations. As well the custom operator should bill the client upon the completion of each custom operation. The bill
should indicate actual units (hours, acres, etc.) completed, the rate charged per unit, the total charge and the date payment is due.

Termination

A minimum period for notice of termination should be included in a custom hiring agreement. A penalty should be stipulated for unjustified termination within the term of the agreement.

Insurance

A custom operator may be considered differently than a farmer when insuring. It is advised that this point be clarified with the insurance company if one considers doing custom work or renting
equipment.

Sample Custom Farming Agreement

Date:_____

Section A

_____, hereinafter referred to as the "custom operator", agrees to conduct the following types of machine operations on the described farm land of _____, hereinafter referred to as the "owner", located at _____, Saskatchewan, for the year 19_____.

Description of Machine Operation	Legal Location	Acres	Fee Per Acre

Note: Be specific about what each machine operation includes (i.e., harvesting - does it include swathing, combining with pickup and hauling the grain to the storage facility, or straight cutting the crop and hauling the grain?)

Section B

The custom operator agrees to complete the said machine operations according to the following schedule:

Machine Operations	Commencement Date	Completion Date

Section C

If during the term hereof, any of the goods and chattels of the custom operator are seized by any creditor, this agreement is forfeited and void.

The term owner and custom operator shall include the executors, administrators and assigns of the owner and custom operator, respectively.

_____ _____

Witness Owner

_____ _____

Witness Custom Operator